API Well Number: 43013516310000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

	1. WELL NAME and NUMBER WR 6G-32-10-17
2. TYPE OF WORK DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** EIGHT MILE FLAT
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME** NAUTILUS (GR)
6. NAME OF OPERATOR QEP ENERGY COMPANY	**7. OPERATOR PHONE** 303 308-3068
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, Ut, 84078	**9. OPERATOR E-MAIL** debbie.stanberry@qepres.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU75086	**11. MINERAL OWNERSHIP** FEDERAL ◉ INDIAN ○ STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ◉ FEE ○	
13. NAME OF SURFACE OWNER (if box 12 = 'fee')	**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ◉
19. SLANT VERTICAL ○ DIRECTIONAL ○ HORIZONTAL ◉	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2071 FNL 1959 FWL	SENW	32	10.0 S	17.0 E	S
Top of Uppermost Producing Zone	660 FNL 1980 FEL	NWNE	31	10.0 S	17.0 E	S
At Total Depth	660 FNL 1980 FEL	NWNE	31	10.0 S	17.0 E	S

21. COUNTY DUCHESNE	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 660	**23. NUMBER OF ACRES IN DRILLING UNIT** 40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1500	**26. PROPOSED DEPTH** MD: 8793 TVD: 4867
27. ELEVATION - GROUND LEVEL 6310	**28. BOND NUMBER** ESB0000024	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 49-251; 49-2153

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	9.625	0 - 450	36.0	J-55 ST&C	0.0	Rockies Lite	170	1.81	13.5
PROD	8.75	7	0 - 4180	26.0	N-80 LT&C	9.0	50/50 Poz	515	1.24	14.35
L1	6.125	4.5	4630 - 8760	11.6	N-80 LT&C	10.0	No Used	0	0.0	0.0

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☐ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☑ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Valyn Davis	**TITLE** Regulatory Affairs Analyst	**PHONE** 435 781-4369
SIGNATURE	**DATE** 08/07/2012	**EMAIL** Valyn.Davis@qepres.com
API NUMBER ASSIGNED 43013516310000	**APPROVAL** Permit Manager	

RECEIVED: September 12, 2012

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
WR 6G32-10-17

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated top of important geologic markers are as follows:

*This is a horizontal welll:

Formation	Depth, TVD	Depth, MD
Green River	1,600'	1,600'
Kick Off Point	4,284'	4,284'
Uteland Butte A Sand	4,854'	4,928'
TD	4,867'	8,793'

2. Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones

The estimated depths at which the top an bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

Substance	Formation	Depth, TVD	Depth, MD
Oil/Gas	Uteland Butte A Sand	4,854 – 4,857'	5,140' – 8,793'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right 49-251 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
WR 6G32-10-17

3. Operator's Specification for Pressure Control Equipment

A. 3,000 psi double gate, 3,000 psi annular (schematic attached)

B. Function test daily.

C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.

D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc…, for a 3M system and individual components shall be operable as designed.

4. Casing Program

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight, lb/ft	Grade	Thread	Condition	MW
17 ½ "	14"	sfc	80'	Steel	Cond.	None	Used	Air
12 ¼"	9 5/8"	sfc	450'	36.0	J-55	STC	New	Air
8 ¾"	7"	sfc	4,180'	26.0	N-80	LTC	New	8-9 ppg

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
7"	26.0 lb.	N-80	LTC	5,410 psi	7,240 psi	519,000 lb.

The lateral will be lined with casing, swell packers and sliding sleeves.

Lateral:

Hole Size	Casing Size	Top,MD	Bottom, MD	Weight	Grade	MW
6 1/8"	4 ½"	4,130'	8,760'	11.6	N-80	8 – 10 ppg

Casing Strengths:				Collapse	Burst	Tensile (minimum)
4 ½"	11.6 lb.	N-80	LTC	6,350 psi	7,780 psi	223,000 lb.

Please refer to the attached wellbore diagram for further details.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
WR 6G32-10-17

5. Cementing Program

20" Conductor:
Cement to surface with construction cement.

9-5/8" Surface Casing: sfc – 450' (MD)
Lead/Tail Slurry: 0' – 450'. 170 sks (310 cu ft) Rockies LT cement + 0.25 lb/sk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft^3/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: sfc – 4,180' (MD)
Lead/Tail Slurry: sfc – 4,180'. 515 sks (635 cu ft) 50/50 Poz Premium + 0.6% Halad (R)-322 fluid loss + 2.0% Microbond M expander + 5% salt + 0.125 lb/sk Poly-E-Flake. Slurry wt: 14.35 ppg, Slurry yield: 1.24 ft^3/sk, Slurry volume: 8-3/4" hole + 40% excess.

WNW Lateral: 4,130' – 8,760'
No cement, liner hung in open hole.

6. Auxilliary Equipment

a. Kelly Cock – Yes

b. Float at the bit – No

c. Monitoring equipment on the mud system – visually and/or PVT or Flow Show

d. Fully opening safety valve on the rig floor – Yes

e. Rotating Head – Yes

Drilling the surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III requirements, subsection E Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is less than 500 feet and high pressures are not expected.

f. **Properly lubricated and maintained rotating head.** A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.

g. **Blooie line discharge 100' from well bore and securely anchored.** The blooie line discharge for this operation will be located 50 to 70 feet from the

wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.

h. **Automatic ignitor or continuous pilot light on the blooie line.** A diffuser will be used rather than an automatic pilot/ignitor. Water is injected into the compressed air and eliminates the need for the pilot light and the need for dust suppression equipment.

i. **Compressors located in the opposite direction from the blooie line a minimum of 100 feet from the well bore.** Compressors located 50 feet on the opposite side of the well bore from the blooie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valve on the compressor, 3) spark arrestors on the motors.

Drilling of the laterals will be done with fresh water NaCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and NaCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 10.0 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow show will be used upon exit of surface casing to TD.

Gas detector will be used upon exit of surface casing to TD.

7. Testing, Logging, and Coring Program

a. Cores – None Anticipated

b. DST – None Anticipated

c. Logging:
   i. Mud logging from casing exit to TD
   ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.

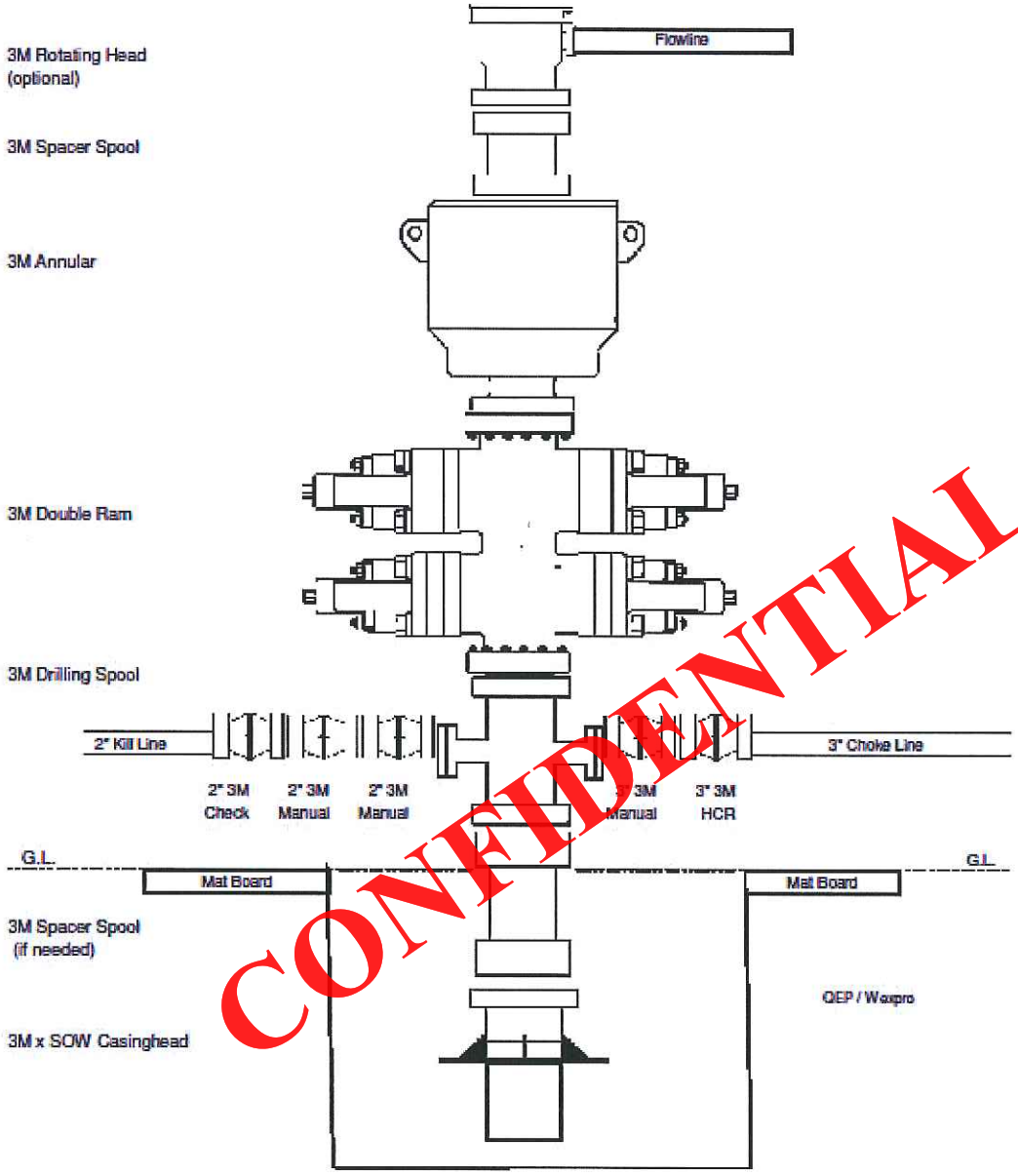
d. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

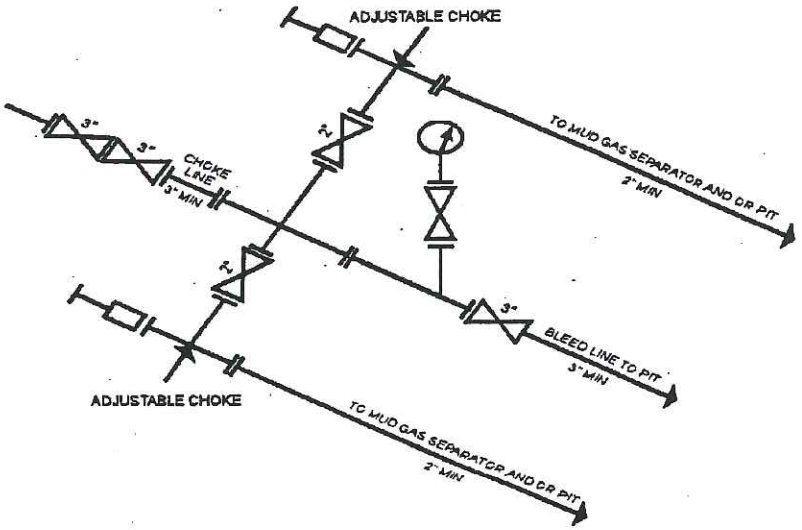
No abnormal temperatures or pressures are anticipated. No H_2S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,500 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
WR 6G32-10-17

QUESTAR / WEXPRO
3M BOP x 3M Annular
Minimum Requirements



ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
WR 6G32-10-17



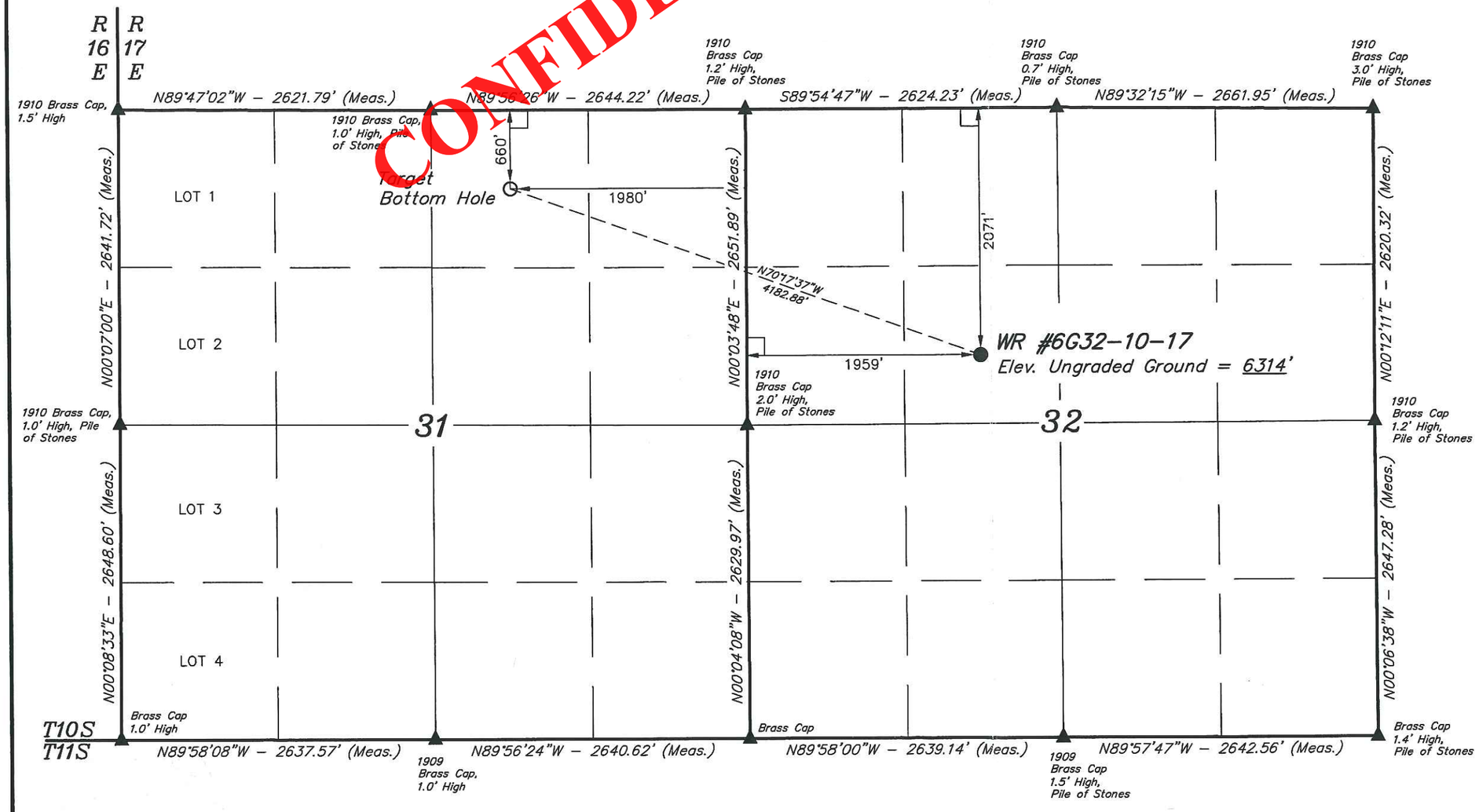
3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

QEP Energy Company
WR 6G32-10-17
API: 43-013-
Summarized New Drill A-Sand Horizontal Procedure

1. MIRU drilling rig.
2. Drill 12-3/4" hole to 450'.
3. RIH with 9-5/8" 36# J-55 casing to bottom.
4. Cement casing.
5. NU rig's 3,000 WP rated BOP.
6. Drill vertically to 4,180'.
7. RIH with 7" 26# N-80.
8. Cement casing.
9. Drill out cement and drill to KOP of 4,284'.
10. Build curve per directional plan to land in the Uteland Butte "A" Sand.
11. Drill ~3,610' of lateral in the Uteland Butte A Sand at ~290° azimuth, following formation dip.
    a. Mud system to be water based. Weights are expected to be in the 8.8 – 9.8 ppg range.
12. PU 4 1/2" liner with sleeves and swell packers and run to TD.
    a. Land liner top at 4,130', 50' above the window.
    b. Bottom of liner will be 30' of bottom.
13. Set RBP at 2,000'
14. ND BOP's.
15. RDMOL.

API Well Number: 43013516310000

T10S, R17E, S.L.B.&M.



QEP ENERGY COMPANY

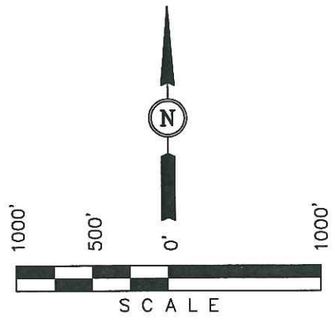
Well location, WR #6G32–10–17, located as shown in the SE 1/4 NW 1/4 of Section 32, T10S, R17E, S.L.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

05–11–12

LEGEND:

└ = 90° SYMBOL
● = PROPOSED WELL HEAD.
▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°54'21.14" (39.905872)	LATITUDE = 39°54'07.28" (39.902022)
LONGITUDE = 110°02'47.76" (110.046600)	LONGITUDE = 110°01'57.21" (110.032558)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 39°54'21.27" (39.905908)	LATITUDE = 39°54'07.41" (39.902058)
LONGITUDE = 110°02'45.22" (110.045894)	LONGITUDE = 110°01'54.67" (110.031853)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	04–18–12	04–25–12
PARTY: C.R. S.R. W.C.M.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: QEP ENERGY COMPANY	

API Well Number: 43013516310000

QEP ENERGY COMPANY

WR #6G32-10-17

LOCATED IN DUCHESNE COUNTY, UTAH
SECTION 32, T10S, R17E, S.L.B.&M.

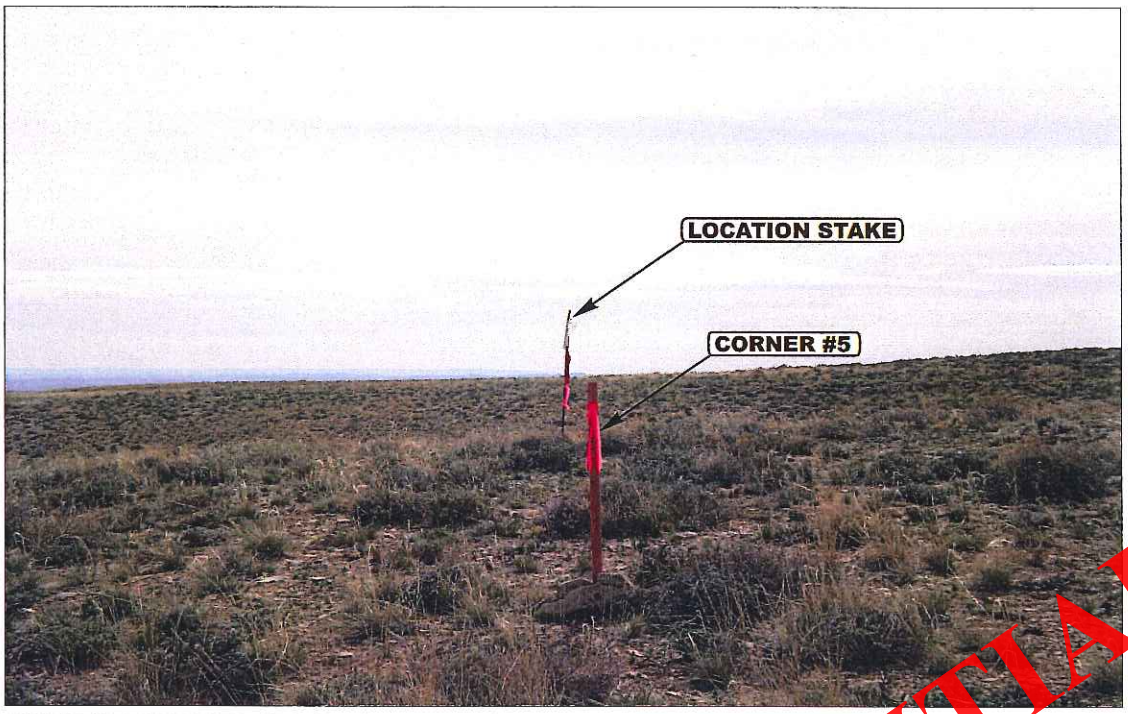


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: SOUTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	04 MONTH	30 DAY	12 YEAR	PHOTO
TAKEN BY: C.R.	DRAWN BY: B.D.H.	REVISED: 00-00-00		

API Well Number: 43013516310000

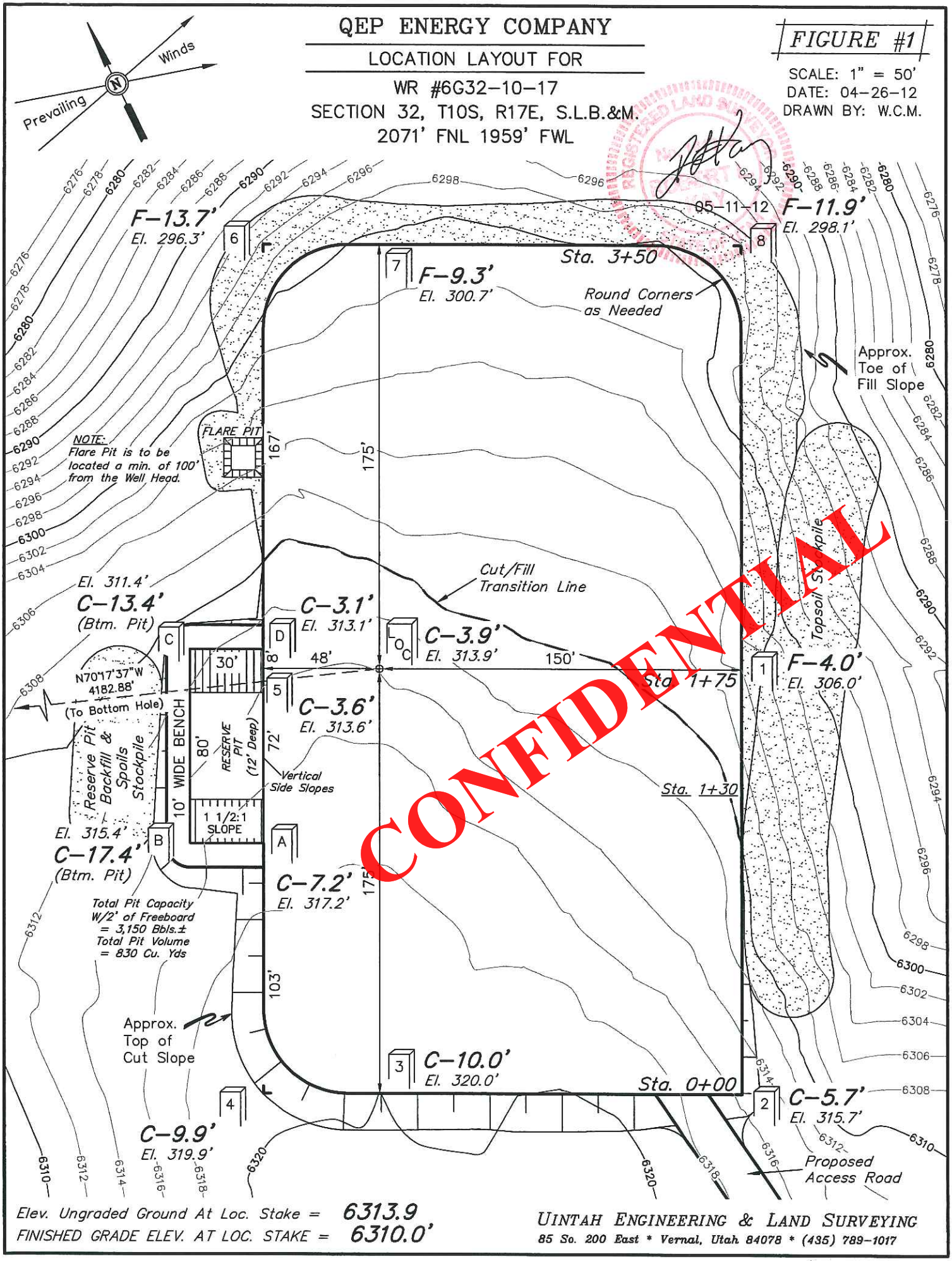
QEP ENERGY COMPANY

LOCATION LAYOUT FOR

WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

FIGURE #1

SCALE: 1" = 50'
DATE: 04-26-12
DRAWN BY: W.C.M.



Elev. Ungraded Ground At Loc. Stake = 6313.9
FINISHED GRADE ELEV. AT LOC. STAKE = 6310.0'

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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

API Well Number: 43013516310000

QEP ENERGY COMPANY

TYPICAL CROSS SECTIONS FOR

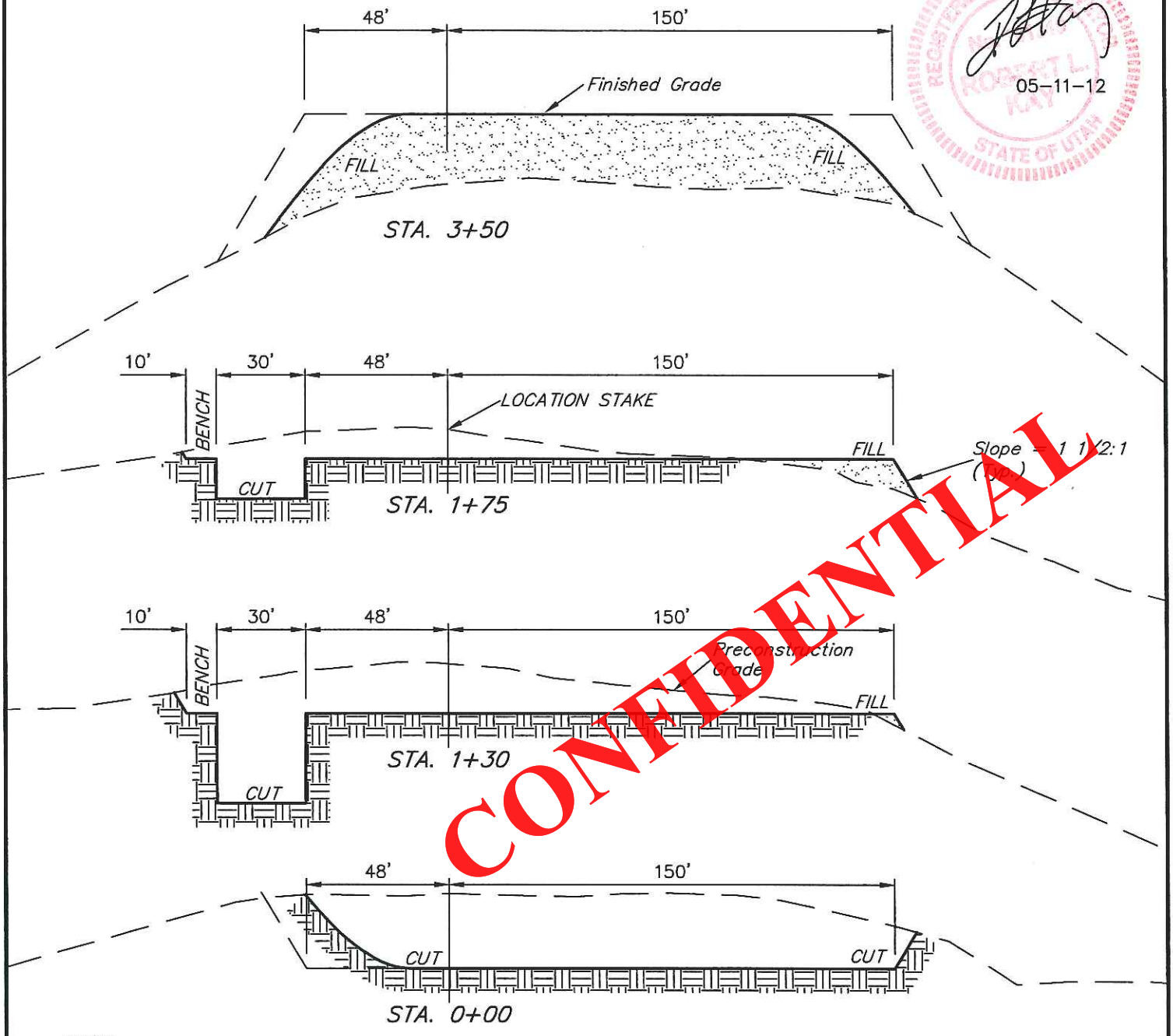
WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

FIGURE #2

1" = 20'
X-Section Scale
1" = 50'

DATE: 04-26-12
DRAWN BY: W.C.M.

05-11-12



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.258 ACRES
ACCESS ROAD DISTURBANCE = ± 0.165 ACRES
TOTAL = ± 2.423 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,620 Cu. Yds.
Remaining Location	=	8,940 Cu. Yds.
TOTAL CUT	=	10,560 CU. YDS.
FILL	=	8,520 CU. YDS.

EXCESS MATERIAL	=	2040 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2040 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

API Well Number: 43013516310000

QEP ENERGY COMPANY

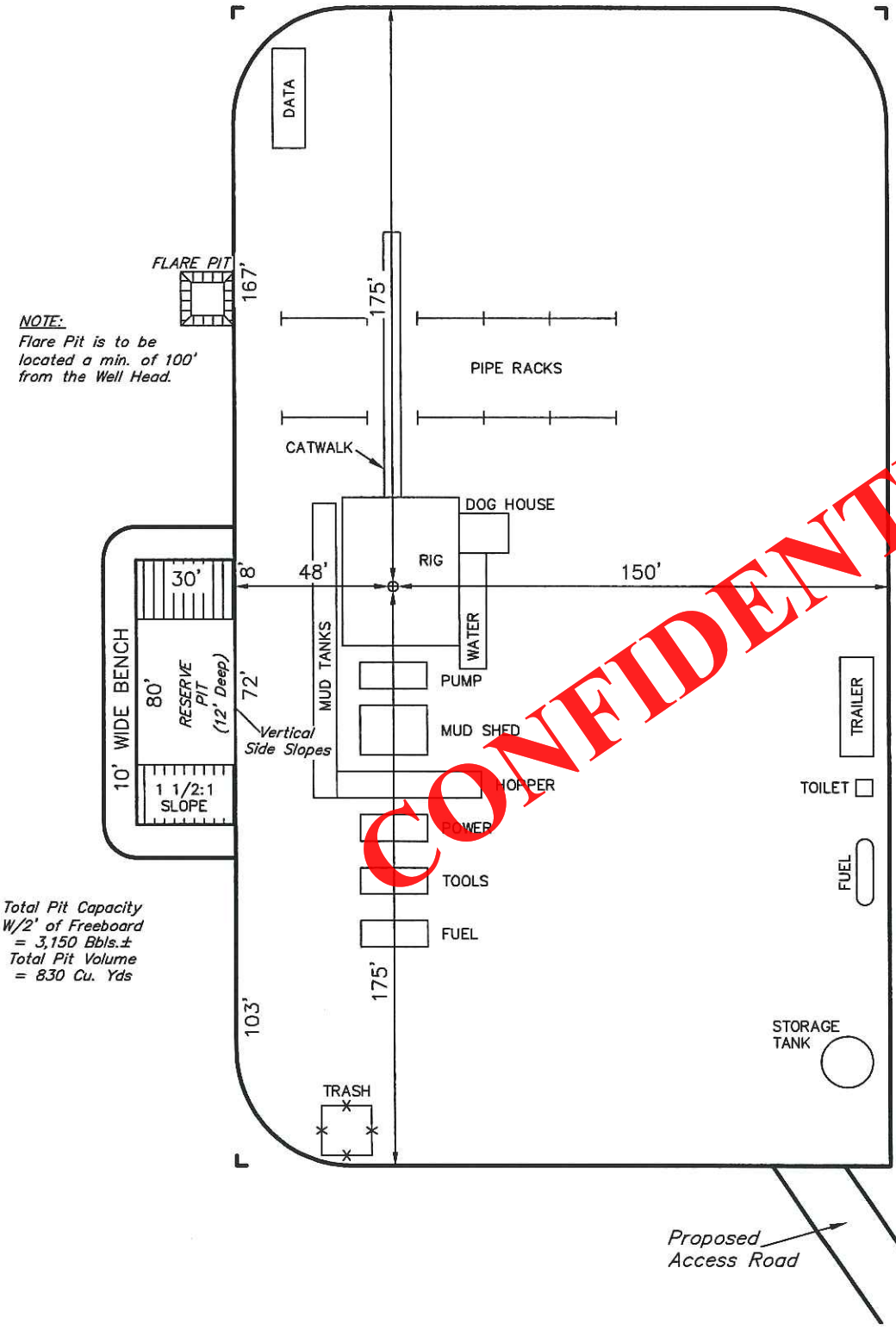
TYPICAL RIG LAYOUT FOR

WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

FIGURE #3

SCALE: 1" = 50'
DATE: 04-26-12
DRAWN BY: W.C.M.

05-11-12



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Total Pit Capacity W/2' of Freeboard = 3,150 Bbls.± Total Pit Volume = 830 Cu. Yds

UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

API Well Number: 43013516310000

QEP ENERGY COMPANY

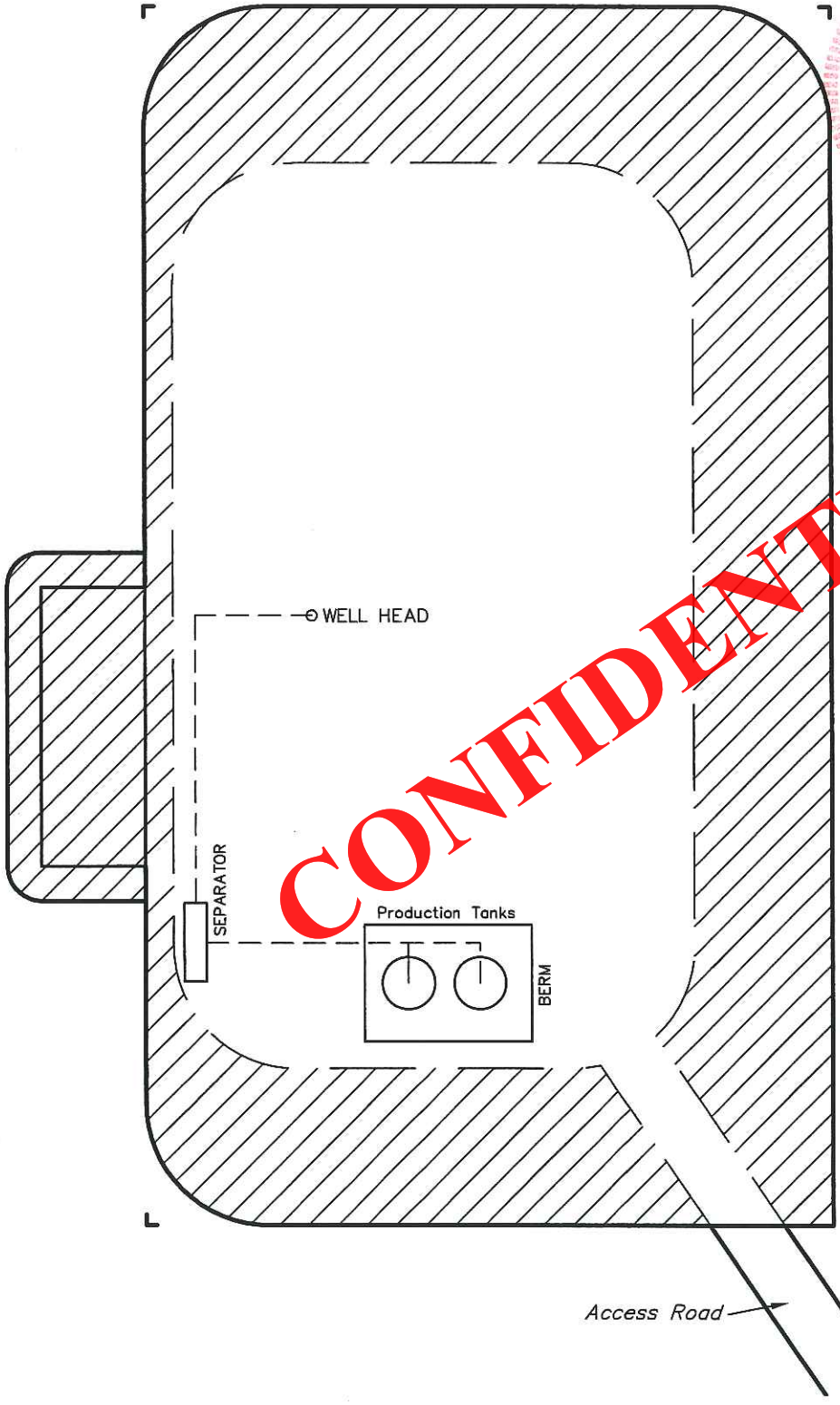
INTERIM RECLAMATION PLAN FOR

WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

FIGURE #4

SCALE: 1" = 50'
DATE: 04-26-12
DRAWN BY: W.C.M.

REGISTERED LAND SURVEYOR
ROBERT L. KAY
STATE OF UTAH
05-11-12



RECLAIMED AREA

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 0.896 ACRES

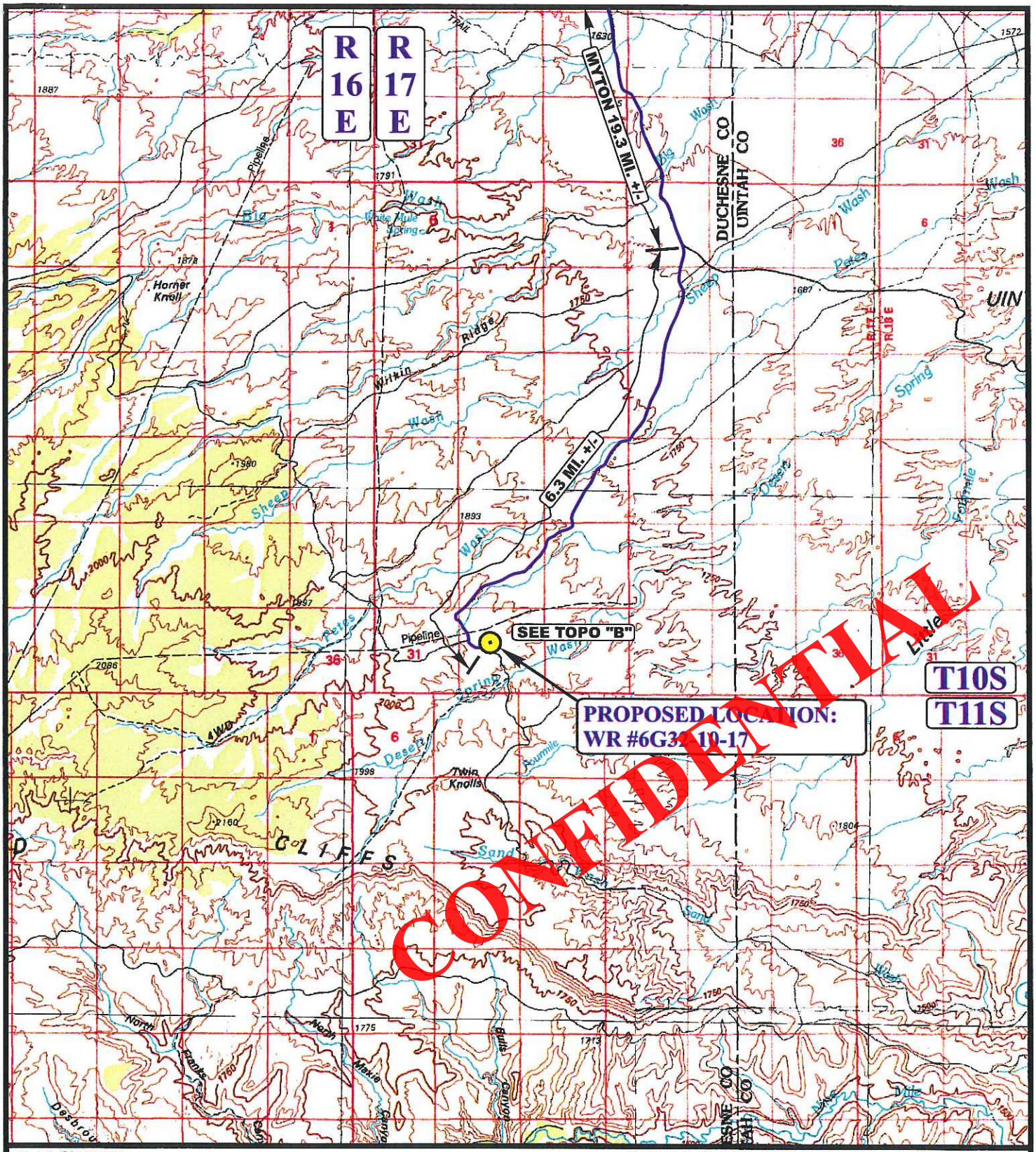
UINTAH ENGINEERING & LAND SURVEYING
*85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017*

QEP ENERGY COMPANY
WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM MYTON, UTAH ON U.S. HIGHWAY 40 APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTIOIN APPROXIMATELY 11.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 240' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM MYTON, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 25.6 MILES.

API Well Number: 43013516310000



LEGEND:

PROPOSED LOCATION

N

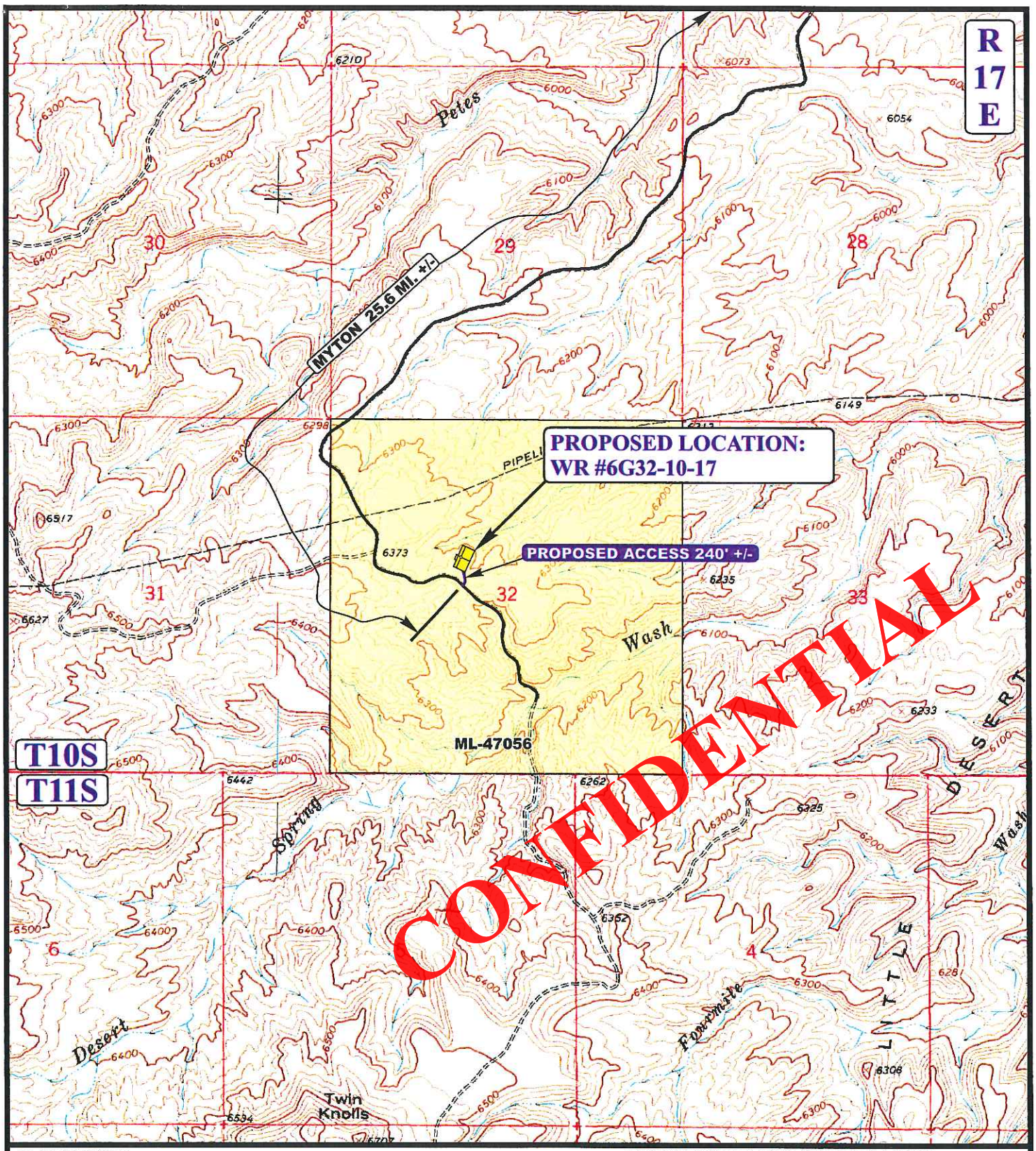
QEP ENERGY COMPANY

WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP	04 MONTH	30 DAY	12 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: B.D.H.	REVISED: 00-00-00		

API Well Number: 43013516310000



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

QEP ENERGY COMPANY

WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
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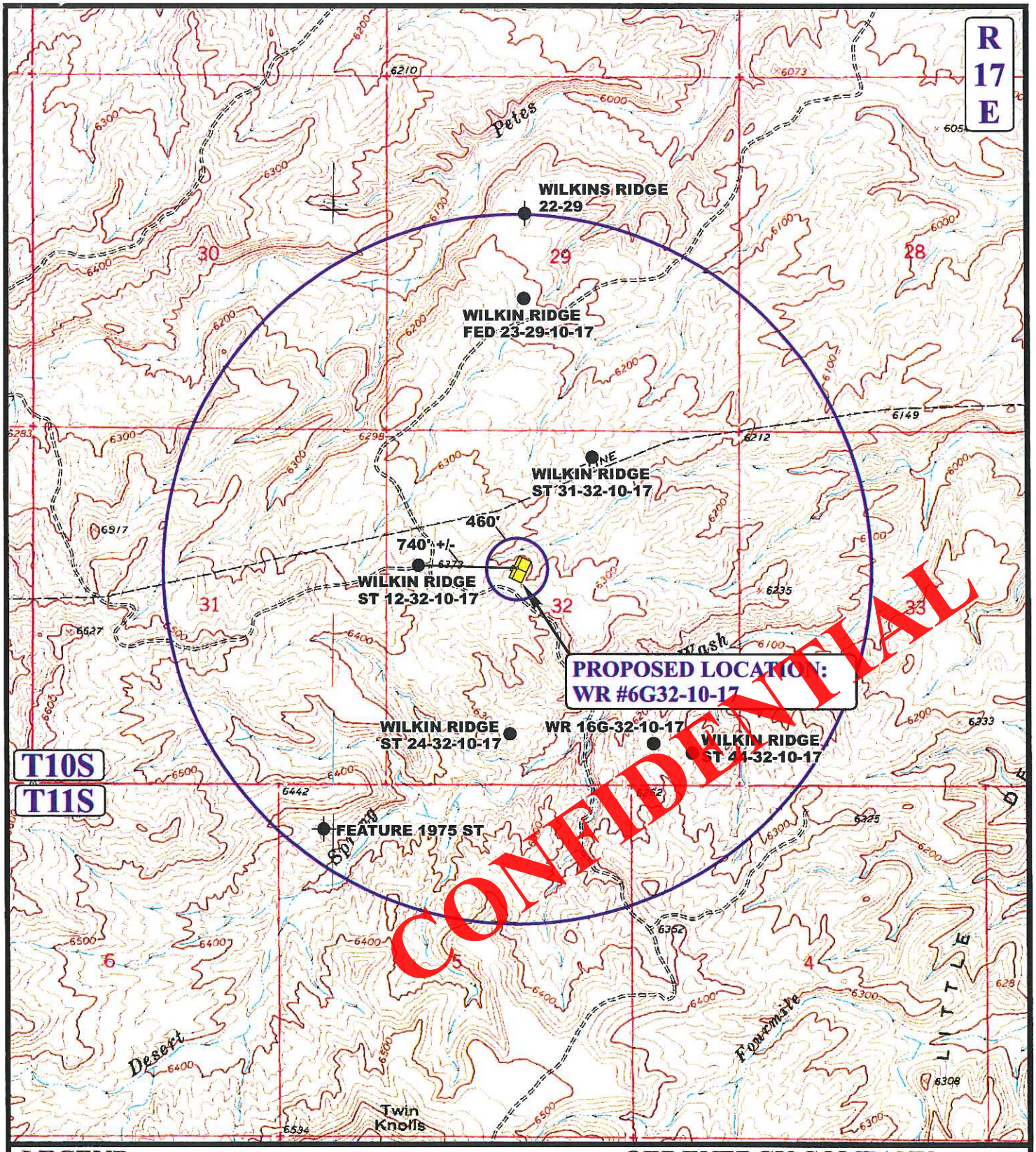
ACCESS ROAD MAP	04 MONTH	30 DAY	12 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: B.D.H.	REVISED: 00-00-00		

API Well Number: 43013516310000



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

QEP ENERGY COMPANY

WR #6G32-10-17
SECTION 32, T10S, R17E, S.L.B.&M.
2071' FNL 1959' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	04 MONTH	30 DAY	12 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: B.D.H.	REVISED: 00-00-00		

QEP Energy Company

QEP ENERGY (UT)

Wilkin Ridge
WR 6G32-10-17
WR 6G32-10-17

Original Hole

Plan: Plan ver.0

Standard Planning Report

09 July, 2012

QEP Energy Company

API Well Number: 43013516310000

QEP Resources, Inc.
Planning Report

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 6324.00usft (AZTEC 781)
Project:	Wilkin Ridge	**MD Reference:**	RKB @ 6324.00usft (AZTEC 781)
Site:	WR 6G32-10-17	**North Reference:**	True
Well:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Project	Wilkin Ridge, UT		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	WR 6G32-10-17				
Site Position:		**Northing:**	7,136,412.458 usft	**Latitude:**	39.902022
From:	Lat/Long	**Easting:**	2,052,066.689 usft	**Longitude:**	-110.032559
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.94 °

Well	WR 6G32-10-17					
Well Position	**+N/-S**	-0.01 usft	**Northing:**	7,136,412.449 usft	**Latitude:**	39.902022
	+E/-W	0.00 usft	**Easting:**	2,052,066.689 usft	**Longitude:**	-110.032559
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	6,310.00 usft	**Ground Level:**	6,310.00 usft

Wellbore	Original Hole				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	7/9/2012	11.14	65.96	52,085

Design	Plan ver.0				
Audit Notes:					
Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00
Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**	
	0.00	0.00	0.00	289.60	

Plan Sections

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,284.09	0.00	0.00	4,284.09	0.00	0.00	0.00	0.00	0.00	0.00	
5,182.59	89.85	289.60	4,857.05	191.70	-538.34	10.00	10.00	0.00	289.60	
8,792.81	89.85	289.60	4,866.50	1,402.80	-3,939.35	0.00	0.00	0.00	0.00	WR 6G32-10-17

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,284.09	0.00	0.00	4,284.09	0.00	0.00	0.00	0.00	0.00	0.00
5,182.59	89.85	289.60	4,857.05	191.70	-538.34	571.46	10.00	10.00	0.00
8,792.81	89.85	289.60	4,866.50	1,402.80	-3,939.35	4,181.67	0.00	0.00	0.00

QEP Energy Company

QEP Resources, Inc.
Planning Report

QEP Energy Company

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 6324.00usft (AZTEC 781)
Project:	Wilkin Ridge	**MD Reference:**	RKB @ 6324.00usft (AZTEC 781)
Site:	WR 6G32-10-17	**North Reference:**	True
Well:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
WR 6G32-10-17 - plan hits target center - Point	0.00	0.00	4,866.50	1,402.80	-3,939.35	7,137,750.295	2,048,105.252	39.905872	-110.046600

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
500.00	500.00	9 5/8"	9-5/8	12-1/4
5,183.00	4,857.05	7"	7	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
1,600.00	1,600.00	Green River fm		0.00	
2,668.00	2,668.00	Garden Gulch mbr		0.00	
4,928.20	4,800.85	Uteland Butte Member		0.15	289.60
5,140.41	4,855.39	A Sand top		0.15	289.60

WR 6G32-10-17

API # 43-013

Proposed WBD

Uinta Basin

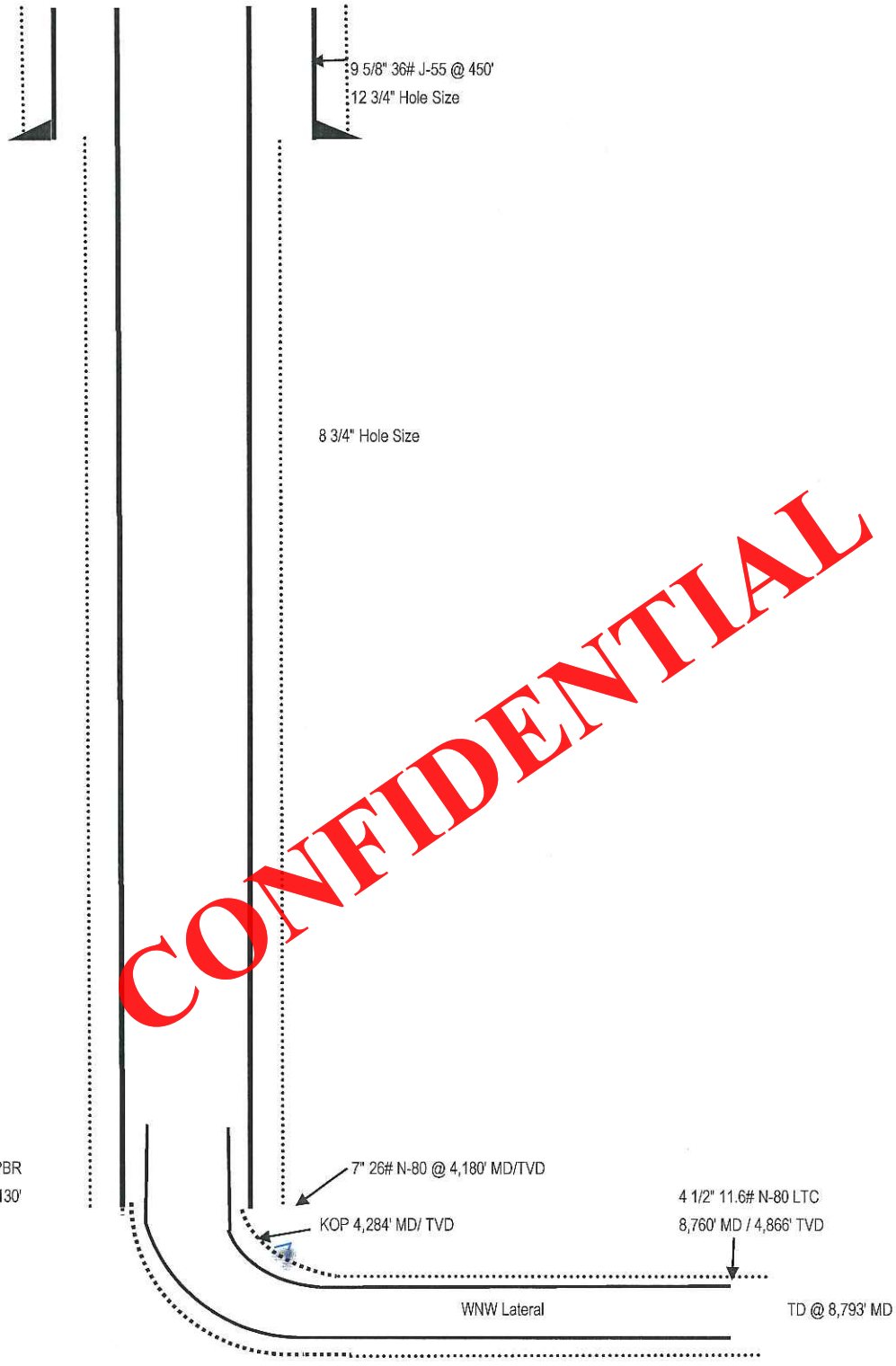
Sec 32-T10S-R17E, Duchesne County, UT

KB 6,326'

GL 6,310'

NOTE: NOT TO SCALE

Updated 07-25-2012 CRA



QEP Energy Company

Company Name: QEP ENERGY (UT)

Azimuths to True North
Magnetic North: 11.14°
Magnetic Field
Strength: 52084.9snT
Dip Angle: 65.66°
Date: 7/9/2012
Model: IGRF2010

Project: Wilkin Ridge
Site: WR 6G32-10-17
Well: WR 6G32-10-17
Wellbore: Original Hole
Design: Plan ver.0

WELL DETAILS: WR 6G32-10-17

Ground Level: 6310.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7136412.449	2052066.689	39.902022	-110.032558	

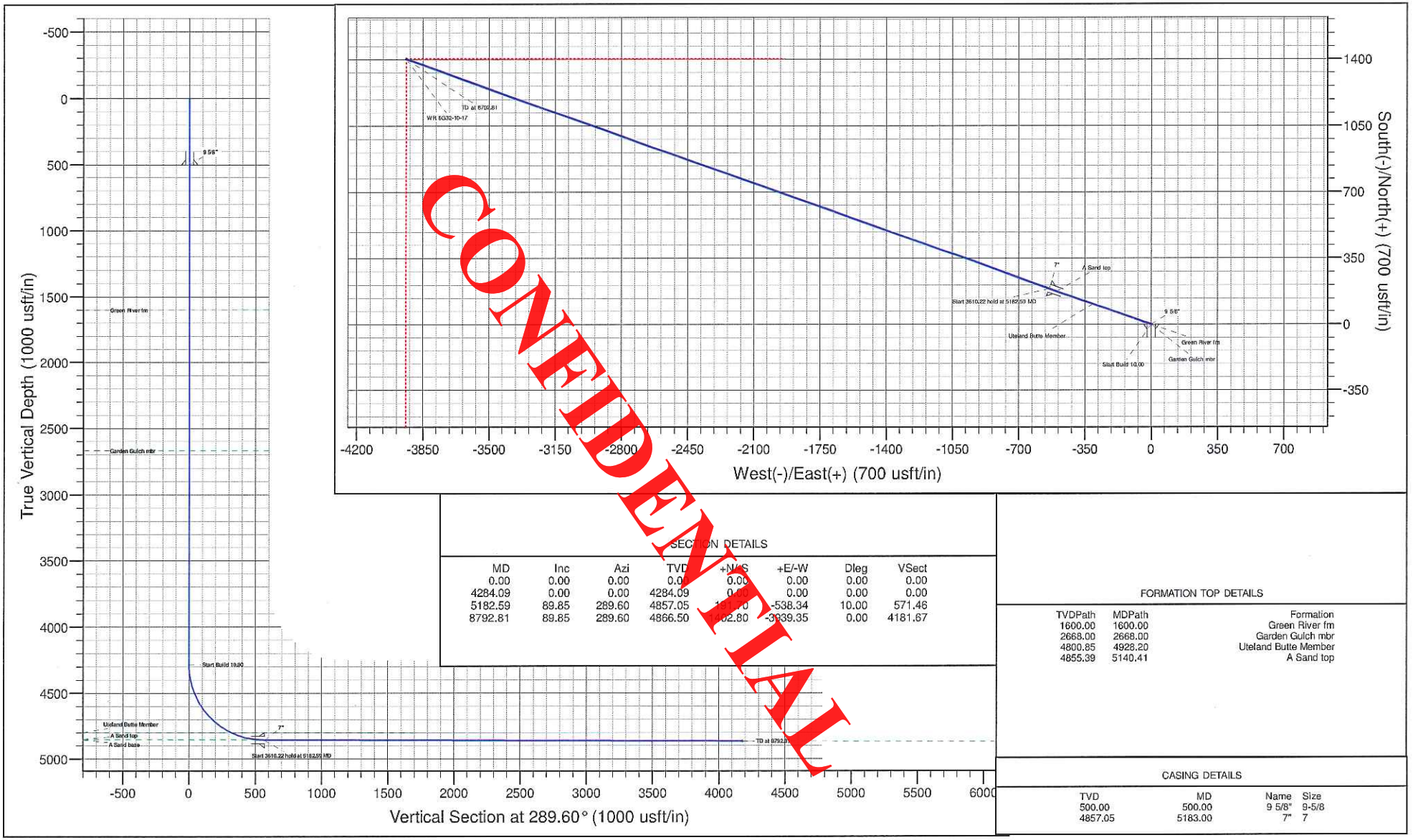
REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well WR 6G32-10-17, True North
Vertical (TVD) Reference: RKB @ 6324.00usft (AZTEC 781)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: RKB @ 6324.00usft (AZTEC 781)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Wilkin Ridge

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4284.09	0.00	0.00	4284.09	0.00	0.00	0.00	0.00
5182.59	89.85	289.60	4857.05	131.70	-538.34	10.00	571.46
8792.81	89.85	289.60	4866.50	1102.80	-3939.35	0.00	4181.67

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1600.00	1600.00	Green River fm
2668.00	2668.00	Garden Gulch mbr
4800.85	4928.20	Uteland Butte Member
4855.39	5140.41	A Sand top

CASING DETAILS

TVD	MD	Name	Size
500.00	500.00	9 5/8"	9-5/8
4857.05	5183.00	7"	7

Additional Operator Remarks

QEP Energy Company proposes to drill the WR 6G-32-10-17 and drill a horizontal oil well to test the Uteland Butte Member of the Green River Formation. If productive, casing will be run and the well completed. If dry, the well be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Oil & Gas Order No. 1

Please be advised that QEP Energy Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.965010695. The principal is QEP Energy Company via surety as consent as provided for the 43 CFR 3104.2.

Information for Laterals

Surface Location
2071' FNL, 1959' FWL, SENW, Section 32, T10S, R17E, Lease Number ML-47056

Lateral 1
660' FNL, 1980' FEL, NWNE, Section 31, T10S, R17E, Lease Number UTU-75086
3939.35 Lateral Leg Length @ 289.60 Azimuth (See Attached Drilling Plans)
TD: 8,793' MD

WR 6G-32-10-17
SENW, SECTION 32, T10S, R17E
SL: 2071' FNL, 1959' FWL
DUCHESNE COUNTY, UT
SURFACE LEASE # ML-47056
BHL LEASE # UTU-75086

ONSHORE ORDER NO. 1
MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads**:

See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.

The proposed well site is located approximately 26 miles south of Myton, Utah. -See attached TOPO Map "A".

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Existing 2-track road will be upgraded, maintained and repaired as necessary.

2. **Planned Access Roads**:

New access roads on State surface will be crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Any additional disturbance required due to intersections or sharp curves will be discussed at the on-site and approved by the State.

Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Surface disturbance and vehicular traffic will be limited to the approved location and access route or, as proposed by the Operator.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards.

If culverts are needed, the location and size of the culverts will be proposed during the on-site. The operator will clean and maintain approved culverts as needed.

All drainage ditches and culverts will be kept clear and free-flowing and will be maintained according to original construction standards.

The access road disturbed area will be kept free of trash during operations. All traffic will be confined to the approved road running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause excess siltation or accumulation of debris in the drainage nor shall the drainage be blocked by the roadbed.

Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided.
When snow is removed from the road during the winter months, the snow should be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

Refer to Topo Map B for the location of the proposed access

3. Location of Existing Wells Within a 1-Mile Radius:

A map will be provided with the site-specific APD showing the location of existing wells within a one mile radius.

Please refer to Topo map C.

4. Location of Existing and Proposed Facilities:

The following guidelines will apply if the well is productive.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil, hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

All loading lines will be placed inside the berm surrounding the tank batteries.

All permanent (on site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a color approved by the State.

5. Location and Type of Water Supply:

Fresh water will be obtained from Wonsits Valley water right # 49-251 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. Fresh water may also be obtained from Neil Moon Pond, water right #43-11787, or Myton City Water, Myton, Utah.

6. **Source of Construction Materials**:

Surface and subsoil materials in the immediate area will be utilized. Any gravel will be obtained from a commercial source.

7. **Methods of Handling Waste Materials**:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 6 months after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It was determined at the on-site inspection that a pit liner is necessary; the reserve pit will be lined with a synthetic reinforced liner, a minimum of 20 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap will be disposed of in the pit.

Reserve pit leaks are considered an undesirable event and will be orally reported to the AO.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days.

After the 90 day period, the produced water will be contained in tanks on location and then hauled by truck to the following pre-approved disposal site:

West End Disposal located in the NESE, Section 28, T7S, R22E,
NBE 12 SWD-10-9-23 located in the NWSW, Section 10, 9S, 23E,
Lapoint Recycle & Storage located in Sec. 12, T5S, R19E, Uintah County, UT or
Western Water Solutions- Sand Pass, located in Sec. 9 &10, T4S, R1W.

Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site. The spills will be reported to the AO and other authorities as appropriate.

A chemical porta-toilet will be furnished with the drilling rig. The chemical porta-toilet wastes will be hauled to Ashley Valley Sewer and Water System for disposal.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig. All trash and waste material will be hauled to the Uintah County Landfill.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas. Specific APD's shall address any modifications from this policy.

8. Ancillary Facilities:

This will be an independent well location. Product will be contained in two 500 bbl tanks and then transported from location to delivery site.

A suitable muffler will be installed on pumping unit to help reduce noise control.

9. Well Site Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pits, flare pit or flare box, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface material stockpile(s) will be included with the site specific APD.

Please see the attached diagram rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

The stockpiled topsoil will not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with the topsoil.

The flare pit or flare box will be located downwind from the prevailing wind direction.

Any drainage that crosses the well location will be diverted around the location by using ditches, water diversion drains or berms. If deemed necessary at the on-site, erosion drains may be installed to contain sediments that could be produced from access roads and well locations.

10. Fencing Requirements:

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence. The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to corner posts.

The reserve pit will be fenced on three (3) sides during drilling operations. The fourth side will be put in place when the rig moves off location. The pit will be fenced and maintained until it is backfilled. If drilling operations does not commence within 3 days, the fourth side of the fence will be installed.

11. Reclamation Plan:

Long-Term Reclamation

Long-term reclamation will be conducted on all disturbed areas no longer required for field operations. This includes unnecessary portions of the well pads after completion and throughout the well's production period, road outslopes, and pipeline corridors. Long-term reclamation will be conducted on pads and roads for non-producing wells and on pads for wells that have reached the end of their productive life (includes facility removal and complete well pad and access road reclamation). Because long-term reclamation will occur throughout the life of the

project, this plan does not differentiate between "interim" and "final" reclamation. All long-term reclamation is considered final unless monitoring shows the need for additional reclamation action. Long-term reclamation will return as much of the well pad as possible to its predisturbance condition as quickly as possible. Long-term reclamation will increase habitat patch sizes and reduce habitat fragmentation for sagebrush obligate species.

Temporary Reclamation, Soil Stabilization, and Erosion Control

Topsoil that will be stored more than 2 years before long-term reclamation begins will be stabilized and windrowed, where possible, to a depth of 2 – 3 feet at a specified location near the margin of the well site as determined at the on-site inspection.

- Windrowed topsoil will then be broadcast-seeded with an approved seed mixture and raked or dragged with a chain, immediately after windrowing.
- Other erosion control techniques will be applied where necessary and may include:
    - diversion ditch design and construction
    - sediment control basin design and construction
    - straw or hay bale check dams
    - rock check dams
    - sediment fence
    - energy dissipaters

All runoff and erosion control structures will be inspected, maintained, and cleaned-out by the Operator on a regular basis throughout the life of the project. Inspections will occur after runoff events (e.g., spring runoff, storm events).

Topsoil and Spoil Handling

Topsoil will be salvaged from all proposed disturbance areas and stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit will be stockpiled separately near the reserve pit.

Topsoil stockpiles will be adequately protected until replaced on the surface during reclamation. Temporary erosion control measures such as temporary vegetation cover, application of mulch, netting, or soil stabilizers may be used in some areas to minimize wind and water erosion and sedimentation prior to vegetation establishment.

Surface Preparation

Backfilling, Grading, and Contouring

Areas to be reclaimed will be graded to approximate original contours and to blend in with adjacent topography. Area-wide drainage will be restored so that surface runoff flows and gradients are returned to the condition present prior to development. Graded surfaces will be suitable for the replacement of a uniform depth of topsoil, will promote cohesion between subsoil and topsoil layers, will reduce wind erosion, and will facilitate moisture capture. Specialized grading techniques may be applied, if warranted, and could include slope rounding, bench grading, stair-step grading/terracing, and/or contour furrowing.

Dozers, loaders, scrapers, and motor graders are typically used for backfilling and grading.

Reserve Pit Evaporation

After the well has been completed and is put into production, the reserve pit will be evaporated. Depending on the time of year and precipitation accumulations, the reserve pit may evaporate naturally. If the reserve pit will not evaporate naturally within one summer season (i.e., June – August) after drilling is completed, alternative evaporation techniques may be applied. Some alternative techniques may include:

- Trickle Systems
- Evaporation Misters and Aerators
- Evaporation Ponds (with approved regulatory filings)
- Pit Solidification
- Water Hauling
    - Haul non-reusable water to an approved disposal facility.
    - Haul or polypipe re-useable water to another reserve pit to be used in the drilling process; water filters may be used if necessary.

Once the reserve pit is as dry as possible, all debris in the pit will be removed. Excess pit liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the pit. The liner will be buried to a minimum of 4 feet deep. The reserve pit will be backfilled and recontoured to blend with the natural landscape. The reserve pit will be crowned convexly to allow for settling and prevent standing water.

Ripping and Disking

Compacted areas such as roads and well pads will be ripped to a depth of 12 – 18 inches to improve soil aeration, water infiltration, and root penetration. Ripped areas will be disked, if necessary, to fill in deep furrows (where topsoil would be lost) and break up large clods (to which topsoil will not adhere).

Motor graders or tractors equipped with ripping shanks are typically used for ripping. Ripper shanks will be set approximately 1 – 2 feet apart. Disking is typically accomplished using a tractor-drawn disc set 2 – 6 inches deep.

Seedbed Preparation

Seedbed preparation maximizes seeding efficiency and improves reclamation success. It includes topsoil replacement and various cultivation techniques. Cultivation techniques may include one or more of the following:

- plowing
- chisel plowing
- disking
- chaining
- rotary hoeing
- harrowing
- cultipacking
- extreme surface roughening
- pitting

Topsoil Replacement

Waterbars and erosion control devices will be installed on reclaimed areas prior to topsoil replacement, as necessary, to control topsoil erosion. Stockpiled topsoil will be redistributed uniformly on areas to be reclaimed.

Topsoil is typically replaced using scrapers, dozers, and/or motor graders.

Seeding

Once the topsoil is replaced, seeding will occur generally between September 15 and freeze-up. If fall seeding is not feasible, seeding may occur between spring thaw and May 15. Seeding will not be applied to wet or frozen ground. In this circumstance, seeding will take place when the ground dries or thaws to the point where soils are friable.

Reclaimed areas will be seeded with seed mixtures that will restore disturbed sites so that they closely resemble pre-disturbance plant communities. Seed mixtures will be developed based on the following criteria: general conditions within the analysis area, species adaptations to site condition, usefulness of the species for rapid site stabilization, species success in past revegetation efforts, and seed costs and availability.

The seed mixture and seeding rates will be recommended by the State authorized officer (AO) at the on-site inspection and included in the Application for Permit to Drill (APD) or Right-of-Way (ROW). Alternative species and seeding rates may be used at the Operator's discretion with State approval, if warranted by site-specific conditions or seed availability, provided that the alternative species/seeding rates facilitate achieving reclamation success and all modifications are documented.
Seed mixtures will be certified weed-free.

Seed will be drilled on the contour to an appropriate depth. When drill-seeding is not practical due to steep slopes or rocky surfaces, seeding rates would be doubled, seed would be broadcast, and the area would be raked, "walked" with tracked equipment, or dragged with a chain or harrow to cover seed.

Mulching

Dry mulch may be considered as one method to enhance the reestablishment of desired plant communities. Where mulching is deemed appropriate, the reclaimed area will be uniformly mulched with certified weed-free grass, hay, small grain straw, wood fiber, and/or live mulch at a rate of 1.5 - 2 tons/acre. Alternatively, cotton, jute, or synthetic netting could be applied. Mulch will be crimped into the soil, tackified, or incorporated into erosion control blankets to prevent it from blowing or washing away and from entering waterways. Mulch will protect the soil from wind and water erosion, raindrop impact, and surface runoff and will help to hold seeds in place.

Alternative mulching techniques may be considered on steep slopes where it is unsafe to operate equipment, at sites where soils have 35 percent or more surface rock content, or on notably unstable areas. Alternative techniques may include hydromulch, biodegradable erosion control netting, or matting and will be firmly attached to the surface.

Monitoring

QEP will monitor the success of interim and final reclamation. QEP will monitor the success of reclamation with documentation for 3 years. If QEP and an authorized officer for the State determine the reclamation has not been successful after the second growing season, QEP will take remedial action.

Debris

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Weed Control

The Operator will be responsible for noxious and invasive weed control from all project activities for the life of project. If use of herbicides is deemed necessary by Operators, a Pesticide Use Permit will be submitted for approval to the BLM. Herbicides will be used only in the season or growth stage during which they are most effective. Herbicides will be applied only by certified personnel using approved precautionary and application procedures in compliance with all applicable federal, state, and local regulations. Herbicides will not be used within 100 feet of open water or during extremely windy conditions. Aerial application of herbicides will be prohibited within 0.25 mile of known special status plant species locations and hand application of herbicides will not occur within 500 feet of such occurrences. Certified weed-free seed mixtures and mulches will be used, thereby minimizing the potential for noxious weed introduction.
Mowing may be considered as an alternative to herbicide applications. Mowing would be implemented prior to seed head establishment or bloom.

A weed control program will be applied to all existing and proposed access roads, pipeline ROWs, and well pads. Weed control involves annual treatments that are monitored and continued until desirable vegetation out-competes invasive or noxious weeds.

Dry Hole/Abandoned Location

On lands administered by the State, abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the reestablishment of irrigation systems; reestablishment of appropriate soil conditions; and, the reestablishment of vegetation as specified.

All disturbed surfaces will be recontoured to approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

At final abandonment, the Operator will cap the casing with a metal plate a minimum of 0.25 inch thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap will be constructed with a weep hole. The depth of the permanent cap will be determined at the time of final abandonment. Long-term reclamation will then be applied and will follow the reclamation process described in this plan. When reclamation is deemed successful by the Operator and the State, the Operator will request a bond release.

12. Surface Ownership:

The well pad and access road are located on lands owned by:

State of Utah
Trust Lands Administration

675 East, 500 South – Suite 500
Salt Lake City, UT. 84102

13. Other Information:

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants on July 6, 2012. The report has been assigned **State of Utah Antiquities Project U-12-MQ-0518b,s**. A copy of the report was submitted directly to the appropriate agencies by Montgomery Archaeology Consultants. Based on the findings, a recommendation "no historic properties affected" was proposed pursuant to 36 CFR 800. No archaeological monitoring is required. If historic or archaeological materials are uncovered during construction, the Operator is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on June 23, 2011, **Report No. IPC 12-84**. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide Paleo monitor if needed.

Lessee's or Operator's Representative & Certification:

Valyn Davis
Regulatory Affairs Analyst
QEP Energy Company
11002 East 17500 South
Vernal, UT 84078
(435) 781-4331

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

QEP Energy Company is considered to be the operator of the subject well. QEP Energy Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage for lease activities is being provided by Bond No. 965010695

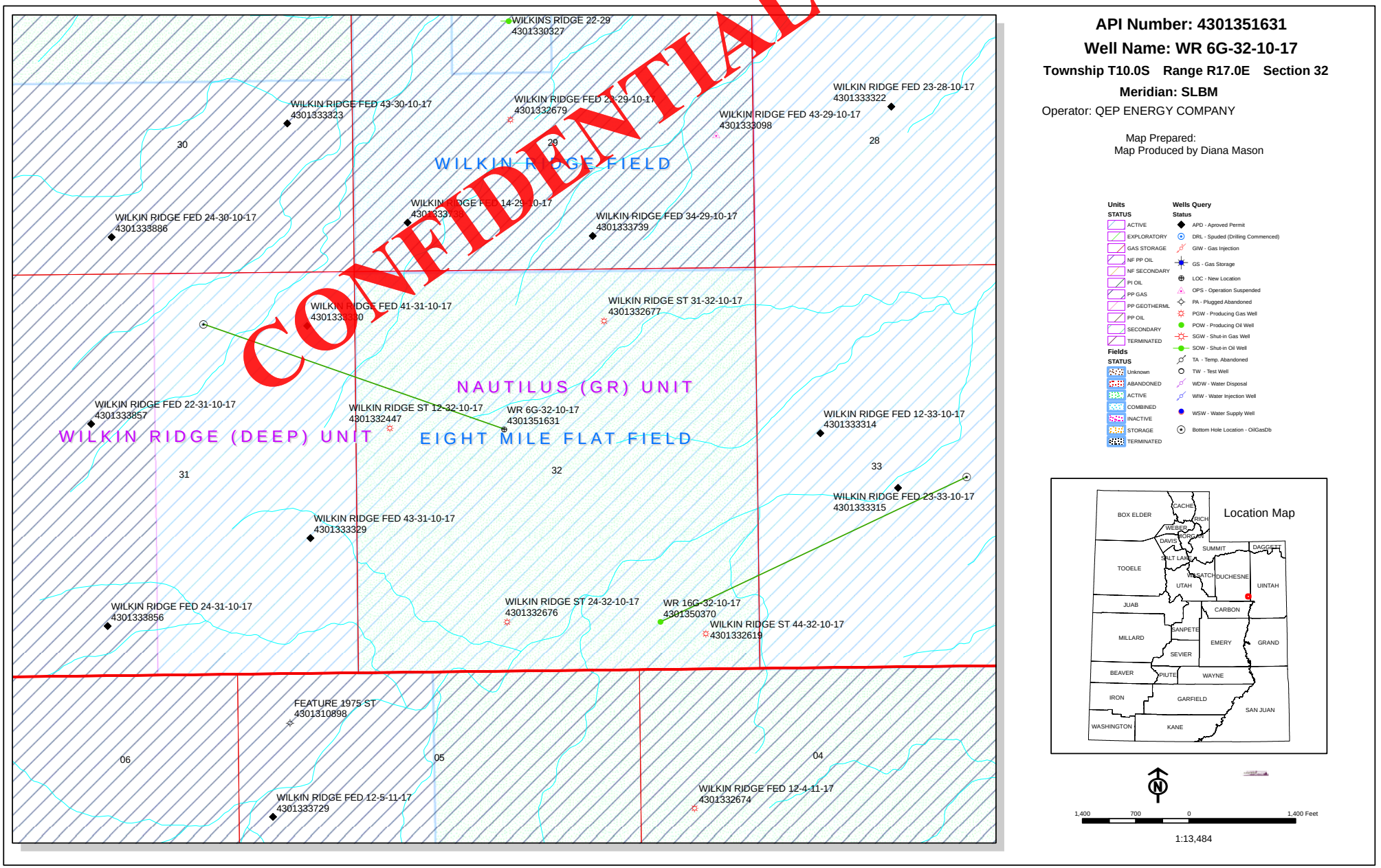
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operations; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Valyn Davis

Valyn Davis

8/6/2012
Date

API Well Number: 43013516310000



API Number: 4301351631

Well Name: WR 6G-32-10-17

Township T10.0S Range R17.0E Section 32

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well
- Bottom Hole Location - OilGasDb

1,400 700 0 1,400 Feet

1:13,484

RECEIVED: August 10, 2012

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

August 13, 2012

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2012 Plan of Development Nautilus Unit, Duchesne and Uintah Counties, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2012 within the Nautilus Unit, Uintah County, Utah

API #	WELL NAME	LOCATION
(Proposed PZ GREEN RIVER)		
43-013-51631	WR 6G-32-10-17	Sec 32 T10S R17E 2071 FNL 1959 FWL BHL Sec 31 T10S R17E 0660 FNL 1980 FEL

This office has no objection to permitting the well at this time.

Michael L. Coulthard

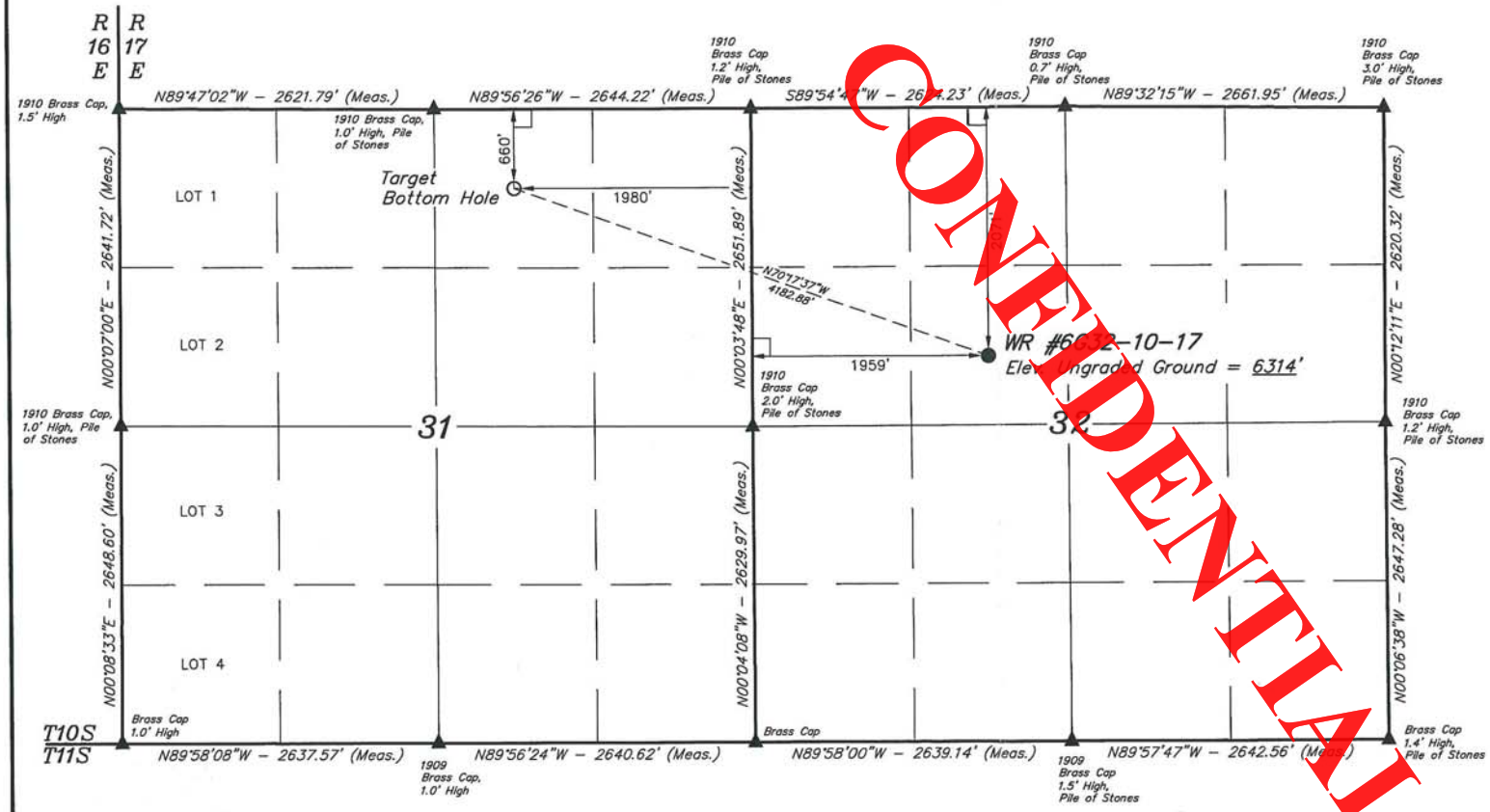
Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management, ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2012.08.13 08:39:17 -06'00'

bcc: File - Nautilus Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:8-13-12

RECEIVED: August 14, 2012

T10S, R17E, S.L.B.&M.



QEP ENERGY COMPANY

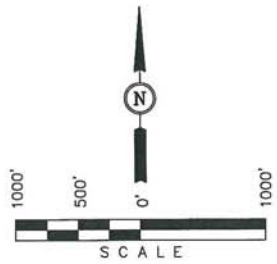
Well location, WR #6G32-10-17, located as shown in the SE 1/4 NW 1/4 of Section 32, T10S, R17E, S.L.B.&M., Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M., TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°54'21.14" (39.905872)	LATITUDE = 39°54'07.28" (39.902022)
LONGITUDE = 110°02'47.76" (110.046600)	LONGITUDE = 110°01'57.21" (110.032558)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°54'21.27" (39.905908)	LATITUDE = 39°54'07.41" (39.902058)
LONGITUDE = 110°02'45.22" (110.045894)	LONGITUDE = 110°01'54.67" (110.031853)

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

05-11-12

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789-1017

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	04-18-12	04-25-12
PARTY: C.R. S.R. W.C.M.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	FILE: QEP ENERGY COMPANY	

Company Name: QEP ENERGY (UT)

QEP Energy Company

Azimuths to True North
Magnetic North: 11.14°
Magnetic Field
Strength: 52084.9nT
Dip Angle: 65.66°
Date: 7/9/2012
Model: IGRF2010

Project: Wilkin Ridge
Site: WR 6G32-10-17
Well: WR 6G32-10-17
Wellbore: Original Hole
Design: Plan ver.0

WELL DETAILS: WR 6G32-10-17

Ground Level: 6310.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7136412.449	2052066.689	39.902022	-110.032558	

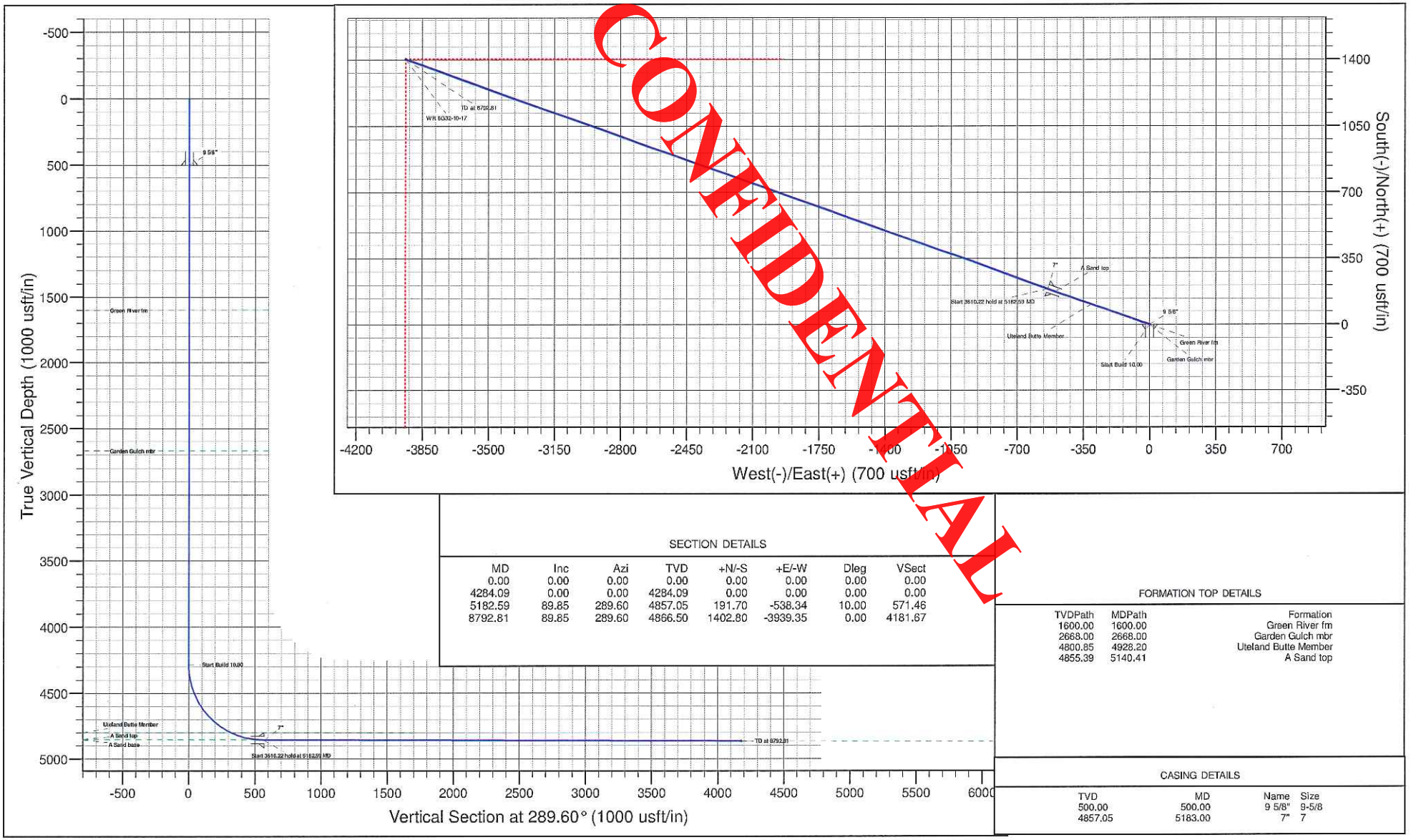
REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well WR 6G32-10-17, True North
Vertical (TVD) Reference: RKB @ 6324.00usft (AZTEC 781)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: RKB @ 6324.00usft (AZTEC 781)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Wilkin Ridge

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level



CONFIDENTIAL

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4284.09	0.00	0.00	4284.09	0.00	0.00	0.00	0.00
5182.59	89.85	289.60	4857.05	191.70	-538.34	10.00	571.46
8792.81	89.85	289.60	4866.50	1402.80	-3939.35	0.00	4181.67

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
1600.00	1600.00	Green River fm
2668.00	2668.00	Garden Gulch mbr
4800.85	4928.20	Uteland Butte Member
4855.39	5140.41	A Sand top

CASING DETAILS

TVD	MD	Name	Size
500.00	500.00	9 5/8"	9-5/8
4857.05	5183.00	7"	7

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator QEP ENERGY COMPANY
Well Name WR 6G-32-10-17
API Number 43013516310000 **APD No** 6598 **Field/Unit** EIGHT MILE FLAT
Location: 1/4,1/4 SENW **Sec** 32 **Tw** 10.0S **Rng** 17.0E 2071 FNL 1959 FWL
GPS Coord (UTM) 582699 4417329 **Surface Owner**

Participants

Jim Davis and Jeff Conley (SITLA), Ben Williams and Alex Hansen (DWR), Stephanie Tompkinson, Valyn Davis and Erick Wickersham (QEP), Brandon Bowthorpe (surveyor), Kevin Sadlier (BLM)

Regional/Local Setting & Topography

This location lays on small ridge which slopes north. There are draws on the east and west which meet below the location to the north. The draws are fairly deep but do not appear to affect the stability of the location. This location is approximately 26 miles miles south of location.

Surface Use Plan

Current Surface Use
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.05	**Width** 298 **Length** 350	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sage, grasses, prickly pear

DWR requested sage closure from March 1 to June 15.

Soil Type and Characteristics

Silty loam soil with fractured rock on surface

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required? N

RECEIVED: September 12, 2012

API Well Number: 43013516310000

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?** N

Reserve Pit

Site-Specific Factors **Site Ranking**

Distance to Groundwater (feet)
Distance to Surface Water (feet)
Dist. Nearest Municipal Well (ft)
Distance to Other Wells (feet)
Native Soil Type
Fluid Type
Drill Cuttings
Annual Precipitation (inches)
Affected Populations
Presence Nearby Utility Conduits

Final Score Sensitivity Level

Characteristics / Requirements

The reserve pit as proposed is 80ft by 30ft by 12ft deep and is to be placed in a cut stable location. Erick Wikersham of QEP stated that a 20 mil liner will be used and this appears to be adequate for this location.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** Y

Other Observations / Comments

Richard Powell
Evaluator

8/27/2012
Date / Time

RECEIVED: September 12, 2012

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
6598	43013516310000	LOCKED	OW	S	No
Operator	QEP ENERGY COMPANY		**Surface Owner-APD**		
Well Name	WR 6G-32-10-17		**Unit**	NAUTILUS (GR)	
Field	EIGHT MILE FLAT		**Type of Work**	DRILL	
Location	SENW 32 10S 17E S 2071 FNL 1959 FWL GPS Coord (UTM) 582697E 4417323N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the General Government. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill — **APD Evaluator**

9/10/2012 — **Date / Time**

Surface Statement of Basis

This proposed well site is on SITLA surface with federal mineral ownership. Kevin Sadlier of the BLM attended this onsite but stated that he had no concerns the placement of this well. Jim Davis of SITLA also stated that he had no concerns with the well placement. Ben Williams of the Utah DWR informed the group that there is a sage grouse lek near the access road to the wells in this area. Because of this Ben Williams requested a construction closure from March 1 to June 15 to protect the sage grouse. After the onsite, Jim Davis sent the following email regarding the sage grouse closure request:
"The rules surrounding sage grouse are in flux. But for now, QEP should do everything it can to observe DWR's recommendation. If QEP's drilling schedule is going to make that difficult or impossible, QEP should contact me so that we can arrange to get SITLA, QEP and DWR around the table to discuss the options and find something workable for each group. Depending on what the new sage grouse rules are and when they become official we might need to make adjustments. But for today, this seems like a reasonable way to proceed. Please let me know if you disagree. Thanks a lot."
-Jim

The above statement was emailed to the permitting personnel from QEP. Aside from the sage grouse concerns this appears to be a good location for this well.

Richard Powell — **Onsite Evaluator**

8/27/2012 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: September 12, 2012

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/7/2012
API NO. ASSIGNED: 43013516310000
WELL NAME: WR 6G-32-10-17
OPERATOR: QEP ENERGY COMPANY (N3700)
PHONE NUMBER: 435 781-4369
CONTACT: Valyn Davis

PROPOSED LOCATION: SENW 32 100S 170E
Permit Tech Review: ☑

SURFACE: 2071 FNL 1959 FWL
Engineering Review: ☐

BOTTOM: 0660 FNL 1980 FEL
Geology Review: ☑

COUNTY: DUCHESNE
LATITUDE: 39.90195
LONGITUDE: -110.03258
UTM SURF EASTINGS: 582697.00
NORTHINGS: 4417323.00
FIELD NAME: EIGHT MILE FLAT
LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU75086
PROPOSED PRODUCING FORMATION(S): UTELAND BUTTE
SURFACE OWNER: 3 - State
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - ESB000024
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 49-251; 49-2153
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: NAUTILUS (GR)

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: R649-3-2
Effective Date:
Siting:

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
23 - Spacing - dmason
27 - Other - bhill

RECEIVED: September 12, 2012

GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: WR 6G-32-10-17
API Well Number: 43013516310000
Lease Number: UTU75086
Surface Owner: STATE
Approval Date: 9/12/2012

Issued to:
QEP ENERGY COMPANY, 11002 East 17500 South, Vernal, Ut 84078

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the UTELAND BUTTE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill

outlined in the Statement of Basis (copy attached).

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU75086

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
NAUTILUS (GR)

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
WR 6G-32-10-17

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

9. API NUMBER:
43013516310000

3. ADDRESS OF OPERATOR:
11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER:
303 308-3068 Ext

9. FIELD and POOL or WILDCAT:
EIGHT MILE FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
2071 FNL 1959 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENW Section: 32 Township: 10.0S Range: 17.0E Meridian: S

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SPUD REPORT Date of Spud: 5/10/2013	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

ON 5/10/2013- SET 80' OF 14" CONDUCTOR PIPE. CEMENTED WITH READY MIX.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
May 15, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE		**DATE**
N/A		5/13/2013

RECEIVED: May. 13, 2013

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company; **QEP ENERGY COMPANY**

Well Name: **WR 6G-32-10-17**

Api No: **43-013-51631** Lease Type **FED-STATE SURF**

Section **32** Township **10S** Range **17E** County **DUCHESNE**

Drilling Contractor _____ RIG # _____

SPUDDED:

Date **05/16/2013**

Time **9:00 AM**

How **ROTARY**

Drilling will Commence: _____

Reported by **DAVID REID**

Telephone # **435-828-4396**

Date **05/16/2013** **Signed** **CHD**

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# PETE MARTIN #1
Submitted By DAVID REID Phone Number 435-828-0396
Well Name/Number WR 6G-32-10-17
Qtr/Qtr SE/NW Section 32 Township 10S Range 17E
Lease Serial Number UTU75086
API Number 43-013-51631

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5-10-13 2:30 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/16/2013 9:00 AM ☒ PM ☐

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

RECEIVED
MAY 15 2013
DIV. OF OIL, GAS & MINING

Date/Time _____ _____ AM ☐ PM ☐

Remarks WILL BE DRILLING 12 1/4" HOLE TO 450'+ AND SETTING 9 5/8" CASING AND CEMENTING SAME,WITH PRO PETRO

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# SST #88
Submitted By DAVID REID Phone Number 435-828-0396
Well Name/Number WR 6G-32-10-17
Qtr/Qtr SE/NW Section 32 Township 10S Range 17E
Lease Serial Number UTU75086
API Number 43-013-51631

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 5-10-13 2:30 AM ☐ PM ☒

Casing – Please report time casing run starts, not cementing times.

- ☒ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☐ Liner
- ☐ Other

Date/Time 5/16/2013 9:00 AM ☒ PM ☐

BOPE

- ☒ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time 5/23/2013 18:00 AM ☐ PM ☒

RECEIVED
MAY 22 2013
DIV. OF OIL, GAS & MINING

Remarks WILL ARE RIGGING UP SST #88 AND WILL BE TESTING THE BOP'S TO 3000 PSI ON 5/23/2013 AROUND 18:00 HRS WIT B&C QUICK TEST.SURFACE CASING WAS PRE SET.

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# SST 88
Submitted By Dave Harding Phone Number 435-828-0396
Well Name/Number WR 6G-32-10-17
Qtr/Qtr SE/NW Section 32 Township 10S Range 17E
Lease Serial Number UTU75086
API Number 43-013-51631

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ _____ AM ☐ PM ☐

Casing – Please report time casing run starts, not cementing times.

- ☐ Surface Casing
- ☐ Intermediate Casing
- ☐ Production Casing
- ☒ Liner
- ☐ Other

Date/Time 6/1/2013 8:00 AM ☐ PM ☒

BOPE

- ☐ Initial BOPE test at surface casing point
- ☐ BOPE test at intermediate casing point
- ☐ 30 day BOPE test
- ☐ Other

Date/Time _____ _____ AM ☐ PM ☐

Remarks We will be running production liner

_____

RECEIVED
JUN 01 2013
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU75086

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NAUTILUS (GR)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: WR 6G-32-10-17

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43013516310000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2071 FNL 1959 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 32 Township: 10.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 6/25/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☑ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THIS WELL COMMENCED PRODUCTION ON JUNE 25, 2013 @ 4:30 P.M.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 26, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE		**DATE**
N/A		6/26/2013

RECEIVED: Jun. 26, 2013

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU75086

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NAUTILUS (GR)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: WR 6G-32-10-17

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43013516310000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2071 FNL 1959 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 32 Township: 10.0S Range: 17.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 8/1/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: PIPELINE HOOKUP

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE ABOVE REFERENCED WELL WAS HOOKED INTO THE MONARCH NATURAL GAS PIPELINE, LLC., ON AUGUST 1, 2013.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 19, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Benna Muth	435 781-4320	Regulatory Assistant
SIGNATURE		**DATE**
N/A		8/19/2013

RECEIVED: Aug. 19, 2013

API Well Number: 43013516310000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU75086

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: NAUTILUS (GR)

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: WR 6G-32-10-17

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 4301351631

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4320

10 FIELD AND POOL, OR WILDCAT: WILKIN RIDGE

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SEC. 32, SENW, 2071' FNL, 1959' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SEC. 32, SENW, 2071' FNL, 1959' FWL
AT TOTAL DEPTH: SEC. 31, NENE, 1164' FNL, 641' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 17E

12. COUNTY: DUCHESNE

13. STATE: UTAH

14. DATE SPUDDED: 5/10/2013

15. DATE T.D. REACHED: 5/29/2013

16. DATE COMPLETED: 6/25/2013 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 6314' GL

18. TOTAL DEPTH: MD 7,421 TVD 4,889

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
TRIPLE COMBO, CBL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J-55	36	0	497		270	55	260	
8.75	7 L-80	26	0	4,424		410	177		
6.125	4.5 N-80	11.6	4,314	7,371		0			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	4,303							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) GREEN RIVER	4,314	7,371		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4,314 - 7,371	DELTA 140 FLUID AND FRESH WATER; 254,674 LBS 16/30 SAND

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: OPS SUMMARY

30. WELL STATUS: POW

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Jul. 09, 2013

API Well Number: 43013516310000

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
6/25/2013	6/29/2013	24		306	47	150	GPU

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
		50					306	47	150	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

USED ON LEASE

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				UINTA	0
				GREEN RIVER	1,790
				GARDEN GULCH	2,678
				UTELAND BUTTE	5,004
				A SAND	5,304

35. ADDITIONAL REMARKS (Include plugging procedure)

#27. HOLE IS OPEN TO PRODUCTION FROM 5600' - 7421'.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) BENNA MUTH TITLE REGULATORY ASSISTANT - CONTRACT

SIGNATURE Benna Muth DATE 7/9/2013

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Jul. 09, 2013

QEP Energy Company

Daily Activity and Cost Summary

Well Name: WR 6G-32-10-17

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-013-51631	S32-T10S-R17E	WILKIN RIDGE	UTAH	S-Well

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	KB to CF (ft)	Spud Date	Final Rig Release
6,310	6,310.00	30.00	30.00	5/10/2013 08:00	6/3/2013 06:00

Job Category	Primary Job Type	Secondary Job Type	Objective
DRILLING	DRILLING	DEVELOPMENT	

Start Date	Job End Date
5/10/2013	6/3/2013

Purpose

Summary

Contractor	RIG	Rig Type
Pete Martin Drilling	PETE MARTIN 1	AUGER RIG
Pro Petro	AIR 8	SURFACE RIG
SST Energy	SST 88	ROTARY RIG

DOL	Start Date	Summary
1.0	5/9/2013	PRESPUD COSTS
2.0	5/10/2013	DRILL AND SET 80' OF CONDUCTOR
3.0	5/16/2013	WO RIG
4.0	5/21/2013	RIG DOWN-RIG DOWN TOP DRIVE AND FLOOR, READY DERRICK AND LAY OVER. MOVE OUT BACK YARD.SET DERRICK AND DRAWORKS OF FLOOR.START SETTING MATS AND MUD TANKS ON NEW LOCATION. RIG IS 80% RIGGED DOWN,605 HAULED AND 10% RIGGED UP
5.0	5/22/2013	FINISH RIGGING DOWN SUBS AND MOVE THE DERRICK SET IN THE BACK YARD & SET THE MUD PITS SET & STACK SUBS CENTER OVER THE WELL PUT THE DRAWWORKS ON THE FLOOR REPLACE THE BRIDLE LINES AND PIN THE DERRICK ON THE SUB STRING UP THE BLOCKS
6.0	5/23/2013	READY DERRICK AND RAISE,PICK UP TOP DRIVE AND RIG UP FLOOR, FILL TANKS AND PREPARE TO DRILL, TEST BOP AND CASING.SET WEAR BUSHING. RIG REPAIR-AIR LINE ON CLUTCH
7.0	5/24/2013	PICK UP DIRECTIONAL TOOLS DRILL CEMENT TAGED @ 392 FEET FIT TEST TO 11.0 # DIRECTIONAL DRILL FROM 500 FT TO 3957 FEET RIG SERVICE, CONNECTIONS & SURVEYS
8.0	5/25/2013	DRILL TO 4430'. CIRCULATE,SHORT TRIP 10 STANDS,CIRCULTE, T.O.O.H AND LOG WITH TRIPLE COMBO RIG DOWN LOGGERS TRIP IN HOLE AFTER LOGGING CIRC. LAY DOWN DRILL PIPE
9.0	5/26/2013	PJSM & RIG UP CASING CREWS, RUN 106 JT'S OF 26# 7" CASING LANDED @ 4424 FT CIRC CASING, CEMENT CASING, TEST CASING TO 1500 PSI / 30 MINUTES, CUT DRILLING LINE, LAY OUT & STRAP 3.5" BHA & DRILL PIPE TAG CEMENT @ 4502 FT
10.0	5/27/2013	DIRECTIONAL DRILL FROM 4502 TO 5433 FT BIT WT = 12/14 ROT= 170 SLIDE= 155 @ 250 GPM
11.0	5/28/2013	TRIP FOR LATERAL DRILLIMG ASSEMBLY UP DIRECTIONAL TOOLS & PUSH PIPE, DIRECTIONAL DRILL FROM 5433 TO 6947 FT =1514 FT =108 FPR BIT WT= 14 K @ 250 GPM MOTOR RPM= 157.5 ROTARY= 40 , SHORT TRIP FROM 6092 TO 5520 FT(NO PROBLEMS) CONT TO DIRECTIONAL DRILL
12.0	5/29/2013	RIG SERVICE. WIPER TRIP 6947-6473. DIRECTIONAL DRILL 6947 T/7421. SLIDE 87 FT/3.3 HRS 9%. TD @ 18:00 HRS 5/29/13. CIRCULATE. TRIP OUT. L/D DIRECTIONAL TOOLS. TRIP IN. WASH & REAM F/4436 T/ . .
13.0	5/30/2013	WASH & REAM 5530-7421. SHORT TRIP 6 STDS. RIG SERVICE. CIRCULATE. WAIT ON PROPER SLEEVES FROM WILLISTON.
14.0	5/31/2013	WAIT ON SLEEVES. SHORT TRIP. P/U 28 DC'S. TRIP IN. CIRCULATE & LOWER WL. SPOT LUBRABEADS. TRIP OUT. L/D REAMER. PJSM. RIG UP & RUN 4.5" CASING.
15.0	6/1/2013	WAIT ON LINER HANGER. PJSM. MAKE UP HANGER. TRIP IN HOLE. FILL EVERY 10 JTDS. LAND LINER @ 7371. PJSM. PUMP 63 BBL DIESEL & DISPLACE W/ 72 BBL 8.8# KCL WATER. DROP BALL & WAIT 1 HR. HANG OFF LINER. CIRCULATE AROUND 8.8# KCL. PJSM. RIG UP & LDDP.
16.0	6/2/2013	LDDP. SET RBP. CLEAN TANKS. NIPPLE DOWN. RIG DOWN. RELEASE RIG. PREP FOR TRUCKS.
17.0	6/12/2013	

RECEIVED: Jul. 09, 2013

NATIVE NAVIGATION

DIRECTIONAL DRILLING SPECIALISTS

QEP Energy Services

Wilkin Ridge
WR 6G32-10-17
WR 6G32-10-17

WR 6G32-10-17

Design: WR 6G32-10-17

Standard Survey Report

24 June, 2013

QEP Resources, Inc.

RECEIVED: Jul. 09, 2013

NATIVE NAVIGATION
DIRECTIONAL DRILLING SPECIALISTS

Native Navigation
Survey Report

QEP Resources, Inc.

Company:	QEP Energy Services	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Project:	Wilkin Ridge	**TVD Reference:**	RKB @ 6340.00usft (SST 88)
Site:	WR 6G32-10-17	**MD Reference:**	RKB @ 6340.00usft (SST 88)
Well:	WR 6G32-10-17	**North Reference:**	True
Wellbore:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Design:	WR 6G32-10-17	**Database:**	Compass DB Connection

Project	Wilkin Ridge		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	WR 6G32-10-17				
Site Position:		**Northing:**	7,136,412.437 usft	**Latitude:**	39.902022
From:	Lat/Long	**Easting:**	2,052,066.689 usft	**Longitude:**	-110.032559
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.94 °

Well	WR 6G32-10-17					
Well Position	**+N/-S**	0.00 usft	**Northing:**	7,136,412.437 usft	**Latitude:**	39.902022
	+E/-W	0.00 usft	**Easting:**	2,052,066.689 usft	**Longitude:**	-110.032559
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	6,310.00 usft	**Ground Level:**	6,310.00 usft

Wellbore	WR 6G32-10-17			
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	5/22/2013	11.03	65.64	51,999

Design	WR 6G32-10-17			
Audit Notes:				
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	0.00

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.00	0.00	0.00	289.23

Survey Program	**Date** 6/24/2013		
From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
30.00	7,421.00	WR 6G 32-10-17 Final Surveys (WR 6G32	MWD	MWD - Standard

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30.00	0.00	0.00	30.00	0.00	0.00	0.00	0.00	0.00	0.00
Surface @ GL									
539.00	2.06	36.34	538.89	7.37	5.42	-2.69	0.40	0.40	0.00
600.00	2.19	32.39	599.85	9.24	6.70	-3.28	0.32	0.21	-6.48
691.00	2.24	39.85	690.78	12.07	8.77	-4.30	0.32	0.05	8.20
783.00	1.80	70.44	782.73	13.93	11.28	-6.06	1.25	-0.48	33.25
878.00	4.04	108.59	877.60	13.37	15.86	-10.57	3.00	2.36	40.16
970.00	4.17	110.43	969.37	11.17	22.07	-17.16	0.20	0.14	2.00
1,065.00	3.78	114.21	1,064.14	8.68	28.16	-23.73	0.49	-0.41	3.98
1,159.00	3.65	117.11	1,157.94	6.04	33.65	-29.78	0.24	-0.14	3.09

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NATIVE NAVIGATION
DIRECTIONAL DRILLING SPECIALISTS

Native Navigation
Survey Report

QEP Resources, Inc.

Company:	QEP Energy Services	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Project:	Wilkin Ridge	**TVD Reference:**	RKB @ 6340.00usft (SST 88)
Site:	WR 6G32-10-17	**MD Reference:**	RKB @ 6340.00usft (SST 88)
Well:	WR 6G32-10-17	**North Reference:**	True
Wellbore:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Design:	WR 6G32-10-17	**Database:**	Compass DB Connection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,254.00	3.08	120.54	1,252.78	3.37	38.54	-35.28	0.64	-0.60	3.61
1,350.00	2.42	128.80	1,348.67	0.79	42.34	-39.72	0.80	-0.69	8.60
1,445.00	3.91	120.89	1,443.52	-2.13	46.68	-44.78	1.63	1.57	-8.33
1,540.00	4.39	104.37	1,538.27	-4.70	52.98	-51.57	1.35	0.51	-17.39
1,635.00	3.43	109.82	1,633.05	-6.56	59.18	-58.04	1.08	-1.01	5.74
1,730.00	2.46	112.46	1,727.93	-8.31	63.74	-62.92	1.03	-1.02	2.78
1,825.00	4.30	102.88	1,822.76	-9.88	69.09	-68.49	2.02	1.94	-10.08
1,920.00	3.73	109.82	1,917.52	-11.72	75.47	-75.12	0.79	-0.60	7.31
2,015.00	3.52	110.70	2,012.33	-13.80	81.11	-81.13	0.23	-0.22	0.93
2,110.00	3.47	104.98	2,107.16	-15.57	86.61	-86.91	0.37	-0.05	-6.02
2,205.00	2.59	107.27	2,202.02	-16.95	91.44	-91.92	0.93	-0.93	2.41
2,300.00	2.50	105.51	2,296.93	-18.15	95.49	-96.13	0.13	-0.09	-1.85
2,395.00	0.43	76.77	2,391.89	-18.62	97.83	-98.50	2.25	-2.18	-30.25
2,490.00	0.26	79.76	2,486.89	-18.50	98.39	-98.99	0.18	-0.18	3.15
2,585.00	0.04	101.03	2,581.89	-18.47	98.63	-99.21	0.23	-0.23	22.39
2,680.00	0.17	152.88	2,676.89	-18.60	98.73	-99.35	0.16	0.14	54.58
2,775.00	0.21	209.23	2,771.89	-18.88	98.71	-99.42	0.19	0.04	59.32
2,870.00	0.26	223.90	2,866.89	-19.18	98.48	-99.30	0.08	0.05	15.44
2,965.00	0.43	193.57	2,961.89	-19.68	98.24	-99.24	0.26	0.18	-31.93
3,060.00	0.65	186.02	3,056.89	-20.57	98.10	-99.40	0.24	0.23	-7.95
3,152.00	0.83	180.92	3,148.88	-21.75	98.04	-99.73	0.21	0.20	-5.54
3,250.00	0.87	191.38	3,246.87	-23.19	97.88	-100.06	0.16	0.04	10.67
3,344.00	0.92	180.74	3,340.86	-24.65	97.73	-100.39	0.18	0.05	-11.32
3,440.00	1.05	187.77	3,436.84	-26.29	97.60	-100.81	0.18	0.14	7.32
3,535.00	0.92	216.78	3,531.83	-27.76	97.02	-100.75	0.54	-0.14	30.54
3,630.00	0.87	212.12	3,626.82	-28.98	96.18	-100.36	0.09	-0.05	-4.91
3,725.00	1.09	216.60	3,721.80	-30.32	95.26	-99.93	0.25	0.23	4.72
3,820.00	1.18	205.79	3,816.78	-31.92	94.30	-99.55	0.24	0.09	-11.38
3,912.00	1.32	206.15	3,908.76	-33.73	93.42	-99.32	0.15	0.15	0.39
4,010.00	2.64	279.01	4,006.71	-34.39	90.69	-96.96	2.63	1.35	74.35
4,105.00	6.33	294.74	4,101.41	-31.85	83.77	-89.59	4.06	3.88	16.56
4,200.00	8.96	297.55	4,195.56	-26.24	72.45	-77.05	2.80	2.77	2.96
4,295.00	12.48	295.53	4,288.88	-18.39	56.63	-59.53	3.73	3.71	-2.13
4,390.00	11.95	291.84	4,381.73	-10.31	38.24	-39.50	0.99	-0.56	-3.88
4,455.00	15.64	287.27	4,444.85	-5.20	23.62	-24.01	5.92	5.68	-7.03
4,487.00	21.44	286.65	4,475.18	-2.24	13.89	-13.85	18.14	18.13	-1.94
4,518.00	26.19	285.95	4,503.53	1.26	1.87	-1.35	15.35	15.32	-2.26
4,550.00	29.22	287.53	4,531.86	5.56	-12.37	13.51	9.74	9.47	4.94
4,581.00	32.78	289.64	4,558.43	10.66	-27.49	29.47	12.01	11.48	6.81
4,613.00	36.65	289.12	4,584.73	16.70	-44.68	47.69	12.13	12.09	-1.63
4,644.00	39.02	289.55	4,609.21	23.00	-62.62	66.70	7.69	7.65	1.39
4,675.00	40.69	289.82	4,633.00	29.69	-81.33	86.57	5.42	5.39	0.87
4,707.00	43.11	289.64	4,656.82	36.90	-101.44	107.93	7.57	7.56	-0.56

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NATIVE NAVIGATION
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Native Navigation
Survey Report

QEP Resources, Inc.

Company:	QEP Energy Services	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Project:	Wilkin Ridge	**TVD Reference:**	RKB @ 6340.00usft (SST 88)
Site:	WR 6G32-10-17	**MD Reference:**	RKB @ 6340.00usft (SST 88)
Well:	WR 6G32-10-17	**North Reference:**	True
Wellbore:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Design:	WR 6G32-10-17	**Database:**	Compass DB Connection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,739.00	46.05	290.43	4,679.61	44.60	-122.54	130.39	9.35	9.19	2.47
4,770.00	48.69	290.96	4,700.60	52.66	-143.87	153.19	8.61	8.52	1.71
4,802.00	48.42	291.40	4,721.78	61.33	-166.24	177.16	1.33	-0.84	1.38
4,834.00	50.14	290.26	4,742.66	69.95	-188.91	201.40	6.01	5.38	-3.56
4,865.00	53.04	290.08	4,761.92	78.32	-211.70	225.69	9.37	9.35	-0.58
4,897.00	56.03	288.74	4,780.48	86.98	-236.28	251.75	9.95	9.34	-4.19
4,929.00	60.29	287.71	4,797.36	95.47	-262.10	278.92	13.59	13.31	-3.22
4,961.00	62.71	287.09	4,812.63	103.88	-288.93	307.03	7.75	7.56	-1.94
4,992.00	65.61	287.89	4,826.14	112.27	-315.54	334.91	9.64	9.35	2.58
5,024.00	69.13	288.15	4,838.45	121.40	-343.62	364.44	11.03	11.00	0.81
5,055.00	70.58	286.57	4,849.13	130.08	-371.40	393.52	6.69	4.68	-5.10
5,087.00	73.56	287.09	4,858.98	138.90	-400.54	423.94	9.44	9.31	1.63
5,119.00	77.69	286.91	4,866.92	147.96	-430.18	454.91	12.92	12.91	-0.56
5,150.00	80.94	286.47	4,872.67	156.71	-459.35	485.33	10.58	10.48	-1.42
5,182.00	84.72	287.97	4,876.66	166.11	-489.67	517.06	12.69	11.81	4.69
5,214.00	84.77	288.06	4,879.59	175.96	-519.97	548.92	0.32	0.16	0.28
5,245.00	84.50	287.62	4,882.49	185.42	-549.35	579.77	1.66	-0.87	-1.42
5,277.00	84.41	287.97	4,885.58	195.15	-579.68	611.61	1.12	-0.28	1.09
5,309.00	84.33	286.91	4,888.72	204.69	-610.06	643.44	3.31	-0.25	-3.31
5,340.00	86.79	288.23	4,891.12	214.02	-639.52	674.33	9.00	7.94	4.26
5,372.00	88.19	288.32	4,892.52	224.05	-669.88	706.30	4.38	4.38	0.28
5,413.00	89.34	289.03	4,893.41	237.17	-708.71	747.28	3.30	2.80	1.73
5,444.00	88.55	288.50	4,893.98	247.14	-738.06	778.28	3.07	-2.55	-1.71
5,476.00	88.55	289.12	4,894.79	257.46	-768.34	810.27	1.94	0.00	1.94
5,508.00	89.03	289.82	4,895.46	268.12	-798.50	842.26	2.65	1.50	2.19
5,539.00	90.31	291.49	4,895.64	279.06	-827.51	873.25	6.79	4.13	5.39
5,571.00	90.75	291.67	4,895.34	290.83	-857.26	905.22	1.49	1.38	0.56
5,602.00	91.36	291.58	4,894.77	302.25	-886.08	936.19	1.99	1.97	-0.29
5,634.00	91.41	291.40	4,894.00	313.97	-915.84	968.15	0.58	0.16	-0.56
5,665.00	91.45	291.84	4,893.23	325.39	-944.65	999.11	1.42	0.13	1.42
5,697.00	91.45	291.67	4,892.42	337.24	-974.36	1,031.07	0.53	0.00	-0.53
5,729.00	91.40	291.14	4,891.62	348.92	-1,004.15	1,063.04	1.66	-0.16	-1.66
5,761.00	89.65	291.23	4,891.33	360.48	-1,033.98	1,095.02	5.48	-5.47	0.28
5,792.00	88.81	291.31	4,891.74	371.72	-1,062.87	1,126.00	2.72	-2.71	0.26
5,824.00	88.76	291.13	4,892.42	383.30	-1,092.69	1,157.97	0.58	-0.16	-0.56
5,855.00	89.03	291.31	4,893.02	394.52	-1,121.59	1,188.95	1.05	0.87	0.58
5,887.00	89.56	290.69	4,893.41	405.99	-1,151.46	1,220.93	2.55	1.66	-1.94
5,919.00	90.00	291.22	4,893.54	417.43	-1,181.34	1,252.91	2.15	1.38	1.66
5,950.00	90.04	290.96	4,893.53	428.59	-1,210.26	1,283.90	0.85	0.13	-0.84
5,982.00	88.72	291.57	4,893.87	440.19	-1,240.08	1,315.87	4.54	-4.13	1.91
6,013.00	89.12	291.31	4,894.46	451.52	-1,268.93	1,346.84	1.54	1.29	-0.84
6,045.00	88.68	291.22	4,895.07	463.13	-1,298.75	1,378.82	1.40	-1.38	-0.28
6,076.00	88.46	290.96	4,895.85	474.28	-1,327.66	1,409.79	1.10	-0.71	-0.84

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Native Navigation
Survey Report

QEP Resources, Inc.

Company:	QEP Energy Services	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Project:	Wilkin Ridge	**TVD Reference:**	RKB @ 6340.00usft (SST 88)
Site:	WR 6G32-10-17	**MD Reference:**	RKB @ 6340.00usft (SST 88)
Well:	WR 6G32-10-17	**North Reference:**	True
Wellbore:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Design:	WR 6G32-10-17	**Database:**	Compass DB Connection

Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,108.00	89.12	291.05	4,896.52	485.75	-1,357.53	1,441.77	2.08	2.06	0.28
6,140.00	89.95	291.22	4,896.78	497.28	-1,387.38	1,473.75	2.65	2.59	0.53
6,171.00	88.98	291.22	4,897.07	508.50	-1,416.27	1,504.73	3.13	-3.13	0.00
6,203.00	89.60	291.13	4,897.47	520.06	-1,446.11	1,536.71	1.96	1.94	-0.28
6,235.00	91.14	291.66	4,897.26	531.73	-1,475.90	1,568.69	5.09	4.81	1.66
6,267.00	91.40	291.84	4,896.55	543.59	-1,505.62	1,600.65	0.99	0.81	0.56
6,298.00	91.49	292.36	4,895.77	555.25	-1,534.33	1,631.60	1.70	0.29	1.68
6,330.00	91.75	291.75	4,894.86	567.26	-1,563.98	1,663.55	2.07	0.81	-1.91
6,361.00	91.09	291.22	4,894.10	578.61	-1,592.81	1,694.51	2.73	-2.13	-1.71
6,393.00	88.50	291.31	4,894.21	590.21	-1,622.63	1,726.49	8.10	-8.09	0.28
6,425.00	88.28	290.52	4,895.11	601.63	-1,652.51	1,758.46	2.56	-0.69	-2.47
6,456.00	88.68	290.69	4,895.93	612.54	-1,681.52	1,789.44	1.40	1.29	0.55
6,488.00	89.07	289.64	4,896.56	623.57	-1,711.55	1,821.43	3.50	1.22	-3.28
6,520.00	89.25	290.08	4,897.03	634.44	-1,741.64	1,853.43	1.49	0.56	1.38
6,551.00	89.60	289.64	4,897.34	644.97	-1,770.80	1,884.42	1.81	1.13	-1.42
6,583.00	90.13	289.73	4,897.42	655.75	-1,800.93	1,916.42	1.68	1.66	0.28
6,614.00	90.26	289.55	4,897.31	666.17	-1,830.12	1,947.42	0.72	0.42	-0.58
6,646.00	90.30	289.55	4,897.15	676.88	-1,860.28	1,979.42	0.13	0.13	0.00
6,678.00	90.26	289.11	4,897.00	687.47	-1,890.47	2,011.42	1.38	-0.13	-1.38
6,709.00	90.21	288.85	4,896.87	697.55	-1,919.79	2,042.42	0.85	-0.16	-0.84
6,741.00	89.69	288.41	4,896.90	707.77	-1,950.11	2,074.42	2.13	-1.63	-1.38
6,772.00	89.78	287.18	4,897.04	717.25	-1,979.63	2,105.41	3.98	0.29	-3.97
6,804.00	89.96	287.09	4,897.11	726.67	-2,010.21	2,137.38	0.63	0.56	-0.28
6,836.00	89.82	287.09	4,897.18	736.08	-2,040.79	2,169.36	0.44	-0.44	0.00
6,867.00	91.01	287.71	4,896.95	745.35	-2,070.37	2,200.34	4.33	3.84	2.00
6,899.00	91.36	287.62	4,896.29	755.06	-2,100.86	2,232.33	1.13	1.09	-0.28
6,930.00	91.32	287.49	4,895.56	764.40	-2,130.41	2,263.30	0.44	-0.13	-0.42
6,962.00	89.96	286.30	4,895.21	773.70	-2,161.02	2,295.27	5.65	-4.25	-3.72
6,994.00	90.66	287.62	4,895.03	783.04	-2,191.63	2,327.25	4.67	2.19	4.13
7,025.00	91.58	288.50	4,894.43	792.64	-2,221.10	2,358.23	4.11	2.97	2.84
7,057.00	92.56	288.59	4,893.27	802.82	-2,251.41	2,390.21	3.08	3.06	0.28
7,089.00	90.18	287.18	4,892.51	812.64	-2,281.86	2,422.19	8.64	-7.44	-4.41
7,120.00	90.57	288.15	4,892.30	822.05	-2,311.39	2,453.18	3.37	1.26	3.13
7,152.00	89.69	286.57	4,892.23	831.59	-2,341.93	2,485.16	5.65	-2.75	-4.94
7,184.00	89.95	286.83	4,892.33	840.79	-2,372.58	2,517.13	1.15	0.81	0.81
7,216.00	91.10	287.10	4,892.04	850.13	-2,403.19	2,549.10	3.69	3.59	0.84
7,247.00	90.84	286.22	4,891.51	859.01	-2,432.88	2,580.06	2.96	-0.84	-2.84
7,279.00	92.11	286.92	4,890.69	868.13	-2,463.54	2,612.02	4.53	3.97	2.19
7,310.00	91.76	286.22	4,889.64	876.97	-2,493.24	2,642.97	2.52	-1.13	-2.26
7,342.00	89.91	285.25	4,889.18	885.65	-2,524.04	2,674.90	6.53	-5.78	-3.03
7,374.00	90.21	285.33	4,889.14	894.08	-2,554.90	2,706.83	0.97	0.94	0.25
7,421.00	90.21	285.33	4,888.97	906.51	-2,600.23	2,753.72	0.00	0.00	0.00
Projection @ TD									

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Native Navigation
Survey Report

QEP Resources, Inc.

Company:	QEP Energy Services	**Local Co-ordinate Reference:**	Well WR 6G32-10-17
Project:	Wilkin Ridge	**TVD Reference:**	RKB @ 6340.00usft (SST 88)
Site:	WR 6G32-10-17	**MD Reference:**	RKB @ 6340.00usft (SST 88)
Well:	WR 6G32-10-17	**North Reference:**	True
Wellbore:	WR 6G32-10-17	**Survey Calculation Method:**	Minimum Curvature
Design:	WR 6G32-10-17	**Database:**	Compass DB Connection

Design Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
30.00	30.00	0.00	0.00	Surface @ GL
7,421.00	4,888.97	906.51	-2,600.23	Projection @ TD

Checked By: _____ Approved By: _____ Date: _____

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Div. of Oil, Gas & Mining

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: QEP ENERGY COMPANY
Operator Account Number: N 3700
Address: 11002 EAST 17500 SOUTH
city VERNAL
state UT zip 84078
Phone Number: (435) 781-4320

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351631	WR 6G-32-10-17		SENW	32	10S	17E	DUCHESNE
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
D	19047	17720	5/10/2013			6/1/13	
Comments: THIS WELL IS NOW PART OF THE NAUTILUS UNIT PA. 8/14/14							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
Comments:							

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

BENNA MUTH
Name (Please Print)
Benna Muth
Signature
REGULATORY ASSISTANT 8/11/2014
Title **Date**

(5/2000)

43-013-51631

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101
http://www.blm.gov/ut/st/en.html

IN REPLY REFER TO:
3180 (UTU87716X)
UT-922000

RECEIVED
JUL 31 2014
DIV. OF OIL, GAS & MINING

JUL 29 2014

Mr. Raul Chavez
QEP Energy Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: 1st Revision of the Green River
Participating Area (PA) "A"
Nautilus Unit
Duchesne and Uintah Counties, Utah

Dear Mr. Chavez:

The 1st Revision of the Green River Formation Participating Area (PA) "A", Nautilus Unit, UTU87716A, is hereby approved effective as of June 1, 2013, pursuant to Section 11 of the Nautilus Unit Agreement, located in Duchesne and Uintah Counties, Utah.

The 1st Revision of the Green River Formation Participating Area (PA) "A", results in the addition of 360.00 acres to the participating area for a total of 920.00 acres and is based upon the completion of horizontal Unit Well No. WR 6G-32-10-17, API No. 43-013-51631, with a surface location in the SE¼NW¼ of Section 32, Township 10 South, Range 17 East, SLM&B, Unit Tract No. 9, State Lease No. ML47056; and a bottom hole location in the NE¼NE¼ of Section 31, Township 10 South, Range 17 East, SLM&B, Unit Tract No. 4, Lease No. UTU75086.

For production and accounting reporting purposes, all submissions pertaining to the Green River Participating Area "A" shall refer to UTU87716A.

Copies of the approved requests are being distributed to the appropriate agencies and one copy is returned herewith. Please advise all interested parties of the approval of the 1st Revision of the Green River Formation Participating Area (PA) "A", Nautilus Unit and its effective date.

If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

Becky J. Hammond

Becky J. Hammond
Acting Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR (Attn: Jennifer Cortez)
BLM FOM - Vernal w/enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47056

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: WR 6G-32-10-17

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 4301351631

3. ADDRESS OF OPERATOR: 11002 EAST 17500 SOUTH CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4308

10. FIELD AND POOL, OR WILDCAT: EIGHT MILE FLAT

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2071 FNL 1959 FWL

COUNTY: DUCHESNE

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 32 10S 17E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: _____	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
Date of work completion: 10/6/2013	☐ COMMINGLE PRODUCING FORMATIONS	☑ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The WR 6G-32-10-17 was INTERIM reclaimed on October 06, 2013. All equipment was removed, the location and access road were recontoured, mulched, and seeded. The seed mix used was:

Grass ELEL5 Bottlebrush squirreltail Elymus elymoides VNS 2 PLS LBS/ACRE
Grass PASM Western wheatgrass Pascopyrum smithii Rosana 5 PLS LBS/ACRE
Grass ELLA3 Thickspike wheatgrass Elymus lanceolatus Bannock 5 PLS LBS/ACRE
Grass PLJA Galleta curly grass Pleuraphis jamesii Viva 3 PLS LBS/ACRE
Grass BOGR2 Blue grama Bouteloua gracilis Bad River 0.5 PLS LBS/ACRE
Grass POSE Sandberg bluegrass Poa secunda VNS 2.5 PLS LBS/ACRE
TOTAL: 18 PLS LBS/ACRE

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
DEC 30 2014
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) STEPHANIE TOMKINSON TITLE SR. BIOLOGIST

SIGNATURE Stomkinson DATE 12/30/2014

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

INSTRUCTIONS

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
  - minor deepening of an existing well bore,
  - plugging back a well,
  - recompleting to a different producing formation within an existing well bore (intent only),
  - reperforating the current producing formation,
  - drilling a sidetrack to repair a well,
  - reporting monthly the status of each drilling well.

This form is not to be used for <u>proposals</u> to

- drill new wells,
- reenter previously plugged and abandoned wells,
- significantly deepen existing wells below their current bottom-hole depth,
- drill horizontal laterals from an existing well bore,
- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, **Form 8, Well Completion or Recompletion Report and Log** must be submitted to the division to report the <u>results</u> of the following operations:

- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940